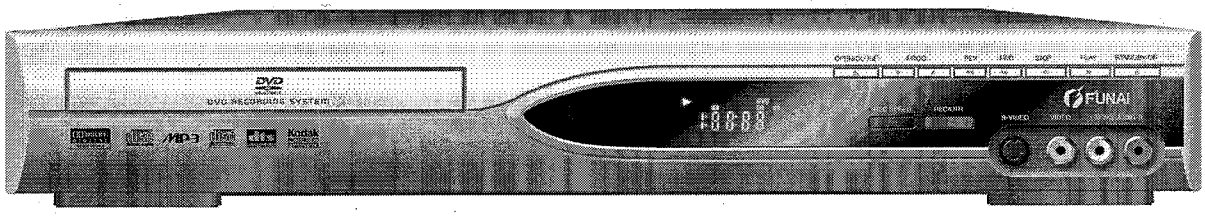
FUNAI

SERVICE MANUAL

DVD RECORDER

DR-A2635



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SPECIFICATIONS

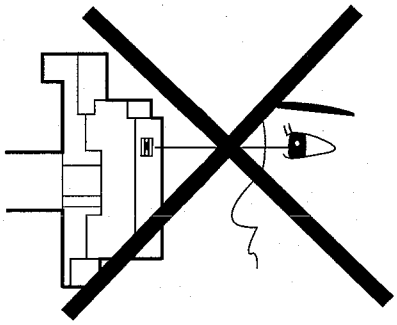
Item	Conditions	Unit	Nominal	Limit
1. VIDEO				
1-1. Video Output	75 Ω load	Vp-p	1.0	
1-2. S-Video Output				
Y (Luminance)	75 Ω load	Vp-p	1.0	
C (Chrominance)	75 Ω load	Vp-p	0.3	
2. AUDIO				
2-1. Output Level		Vrms	2.0	
2-2. Frequency Response				
DVD-VIDEO LPCM	fs = 96 kHz	Hz	20 - 44 k	
	fs = 48 kHz	Hz	20 - 20 k	
Audio CD	fs = 44.1 kHz	Hz	20 - 20 k	
2-3. Signal/Noise Ratio				
DVD-VIDEO LPCM		dB	85	
CD		dB	85	
REC & Playback	Input: 2 Vrms, Rec Speed: SP	dB	85	
2-4. THD+N	1 kHz, 0 dB			
DVD-VIDEO LPCM		%	0.01	
CD		%	0.01	
REC & Playback	Input: 2 Vrms, Rec Speed: SP	%	0.01	
3. TUNER				
3-1. Video Output	75 Ω load	Vp-p	1.0	
3-2. Video S/N		dB	42	
3-3. Audio Output		dBv	-12	
3-4. Audio S/N		dB	46	

Notes:

1. All Items are measured without pre-emphasis unless otherwise specified.
2. Power supply: 220 - 240 V ~ 50 Hz
3. Load imp.: 100 kΩ
4. Room ambient : 5 °C ~ 40 °C

LASER BEAM SAFETY PRECAUTIONS

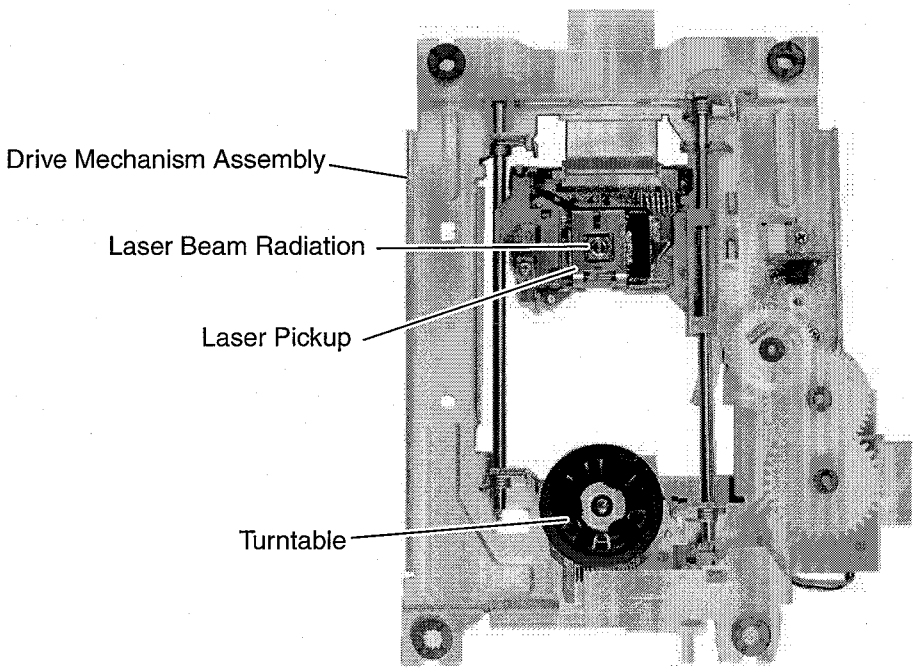
This DVD player uses a pickup that emits a laser beam.

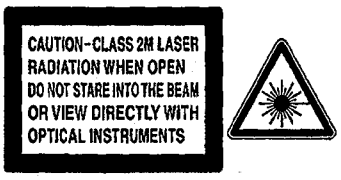


Do not look directly at the laser beam coming from the pickup or allow it to strike against your skin.

The laser beam is emitted from the location shown in the figure. When checking the laser diode, be sure to keep your eyes at least 30 cm away from the pickup lens when the diode is turned on. Do not look directly at the laser beam.

CAUTION: Use of controls and adjustments, or doing procedures other than those specified herein, may result in hazardous radiation exposure.





Location: Top of DVD mechanism.

IMPORTANT SAFETY PRECAUTIONS

Product Safety Notice

Some electrical and mechanical parts have special safety-related characteristics which are often not evident from visual inspection, nor can the protection they give necessarily be obtained by replacing them with components rated for higher voltage, wattage, etc. Parts that have special safety characteristics are identified by a ⚠ on schematics and in parts lists. Use of a substitute replacement that does not have the same safety characteristics as the recommended replacement part might create shock, fire, and/or other hazards. The Product's Safety is under review continuously and new instructions are issued whenever appropriate. Prior to shipment from the factory, our products are carefully inspected to confirm with the recognized product safety and electrical codes of the countries in which they are to be sold. However, in order to maintain such compliance, it is equally important to implement the following precautions when a set is being serviced.

Precautions during Servicing

A. Parts identified by the ⚠ symbol are critical for safety. Replace only with part number specified.

B. In addition to safety, other parts and assemblies are specified for conformance with regulations applying to spurious radiation. These must also be replaced only with specified replacements.
Examples: RF converters, RF cables, noise blocking capacitors, and noise blocking filters, etc.

C. Use specified internal wiring. Note especially:

1)Wires covered with PVC tubing

2)Double insulated wires

3)High voltage leads

D. Use specified insulating materials for hazardous live parts. Note especially:

1)Insulation tape

2)PVC tubing

3)Spacers

4)Insulators for transistors

E. When replacing AC primary side components (transformers, power cord, etc.), wrap ends of wires securely about the terminals before soldering.

F. Observe that the wires do not contact heat producing parts (heatsinks, oxide metal film resistors, fusible resistors, etc.).

G. Check that replaced wires do not contact sharp edges or pointed parts.

H. When a power cord has been replaced, check that 5 - 6 kg of force in any direction will not loosen it.

I. Also check areas surrounding repaired locations.

J. Be careful that foreign objects (screws, solder droplets, etc.) do not remain inside the set.

K. Crimp type wire connector
The power transformer uses crimp type connectors which connect the power cord and the primary side of the transformer. When replacing the transformer, follow these steps carefully and precisely to prevent shock hazards.
Replacement procedure

1)Remove the old connector by cutting the wires at a point close to the connector.
Important: Do not re-use a connector. (Discard it.)

2)Strip about 15 mm of the insulation from the ends of the wires. If the wires are stranded, twist the strands to avoid frayed conductors.

3)Align the lengths of the wires to be connected. Insert the wires fully into the connector.

4)Use a crimping tool to crimp the metal sleeve at its center. Be sure to crimp fully to the complete closure of the tool.

L. When connecting or disconnecting the internal connectors, first, disconnect the AC plug from the AC outlet.

Safety Check after Servicing

Examine the area surrounding the repaired location for damage or deterioration. Observe that screws, parts, and wires have been returned to their original positions. Afterwards, do the following tests and confirm the specified values to verify compliance with safety standards.

1. Clearance Distance

When replacing primary circuit components, confirm specified clearance distance (d) and (d') between soldered terminals, and between terminals and surrounding metallic parts. (See Fig. 1)

Table 1 : Ratings for selected area

AC Line Voltage	Clearance Distance (d), (d')
220 to 240 V	≥ 3 mm(d) ≥ 6 mm(d')

Note: This table is unofficial and for reference only. Be sure to confirm the precise values.

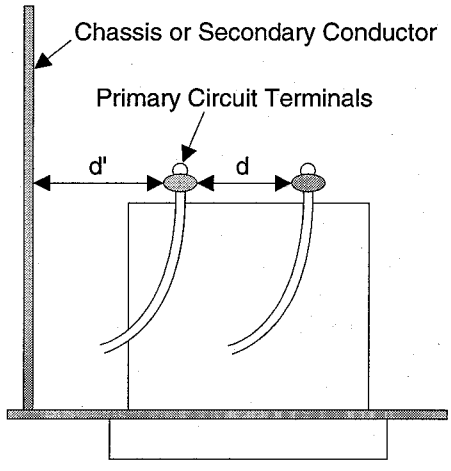


Fig. 1

2. Leakage Current Test

Confirm the specified (or lower) leakage current between B (earth ground, power cord plug prongs) and externally exposed accessible parts (RF terminals, antenna terminals, video and audio input and output terminals, microphone jacks, earphone jacks, etc.) is lower than or equal to the specified value in the table below.

Measuring Method (Power ON) :

Insert load Z between B (earth ground, power cord plug prongs) and exposed accessible parts. Use an AC voltmeter to measure across the terminals of load Z. See Fig. 2 and the following table.

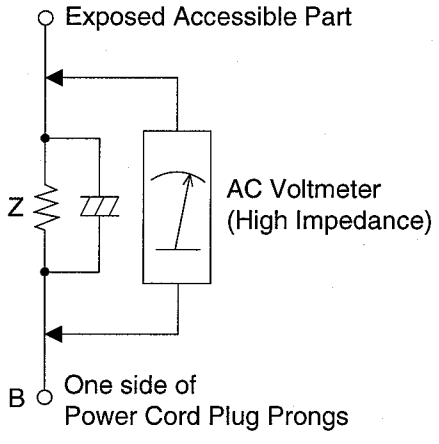


Fig. 2

Table 2: Leakage current ratings for selected areas

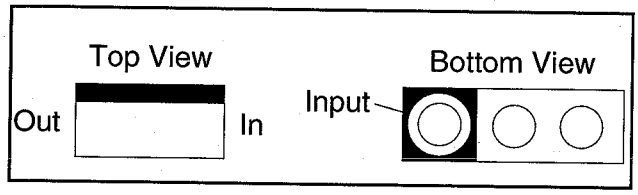
AC Line Voltage	Load Z	Leakage Current (i)	One side of power cord plug prongs (B) to:
220 to 240 V	2kΩ RES. Connected in parallel	i≤0.7mA AC Peak i≤2mA DC	RF or Antenna terminals
	50kΩ RES. Connected in parallel	i≤0.7mA AC Peak i≤2mA DC	A/V Input, Output

Note: This table is unofficial and for reference only. Be sure to confirm the precise values.

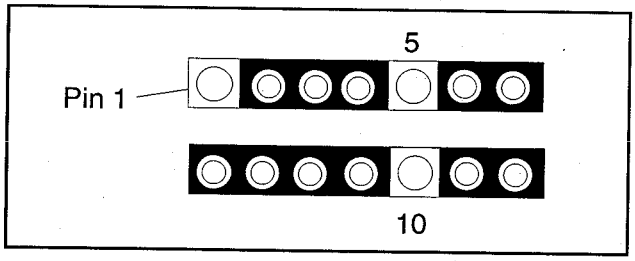
STANDARD NOTES FOR SERVICING

Circuit Board Indications

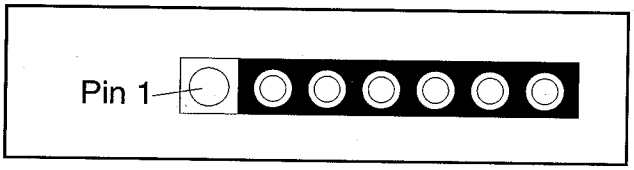
1. The output pin of the 3 pin Regulator ICs is indicated as shown.



2. For other ICs, pin 1 and every fifth pin are indicated as shown.

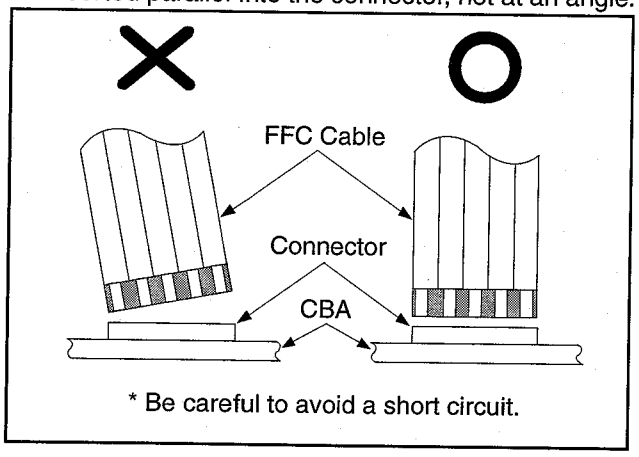


3. The 1st pin of every male connector is indicated as shown.



Instructions for Connectors

1. When you connect or disconnect the FFC (Flexible Foil Connector) cable, be sure to first disconnect the AC cord.
2. FFC (Flexible Foil Connector) cable should be inserted parallel into the connector, not at an angle.



* Be careful to avoid a short circuit.

Pb (Lead) Free Solder

When soldering, be sure to use the Pb free solder.

How to Remove / Install Flat Pack-IC

1. Removal

With Hot-Air Flat Pack-IC Desoldering Machine:.

(1) Prepare the hot-air flat pack-IC desoldering machine, then apply hot air to the Flat Pack-IC (about 5 to 6 seconds). (Fig. S-1-1)

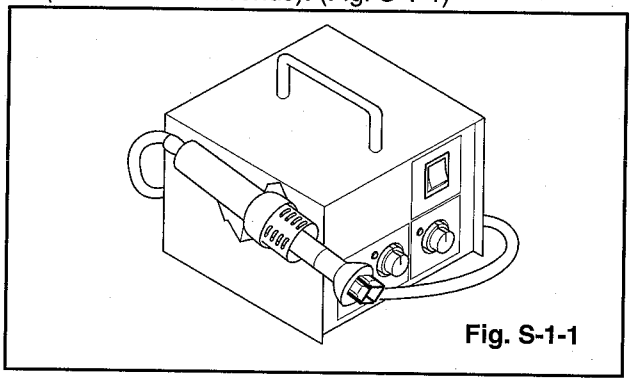


Fig. S-1-1

(2) Remove the flat pack-IC with tweezers while applying the hot air.

(3) Bottom of the flat pack-IC is fixed with glue to the CBA; when removing entire flat pack-IC, first apply soldering iron to center of the flat pack-IC and heat up. Then remove (glue will be melted). (Fig. S-1-6)

(4) Release the flat pack-IC from the CBA using tweezers. (Fig. S-1-6)

Caution:

1. The Flat Pack-IC shape may differ by models. Use an appropriate hot-air flat pack-IC desoldering machine, whose shape matches that of the Flat Pack-IC.
2. Do not supply hot air to the chip parts around the flat pack-IC for over 6 seconds because damage to the chip parts may occur. Put masking tape around the flat pack-IC to protect other parts from damage. (Fig. S-1-2)

3. The flat pack-IC on the CBA is affixed with glue, so be careful not to break or damage the foil of each pin or the solder lands under the IC when removing it.

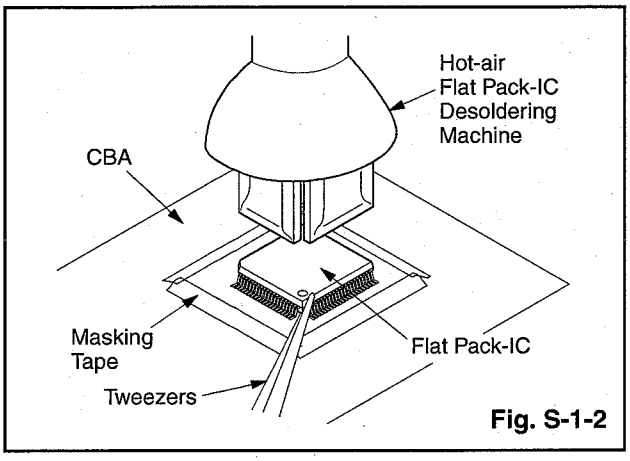


Fig. S-1-2

With Soldering Iron:

(1) Using desoldering braid, remove the solder from all pins of the flat pack-IC. When you use solder flux which is applied to all pins of the flat pack-IC, you can remove it easily. (Fig. S-1-3)

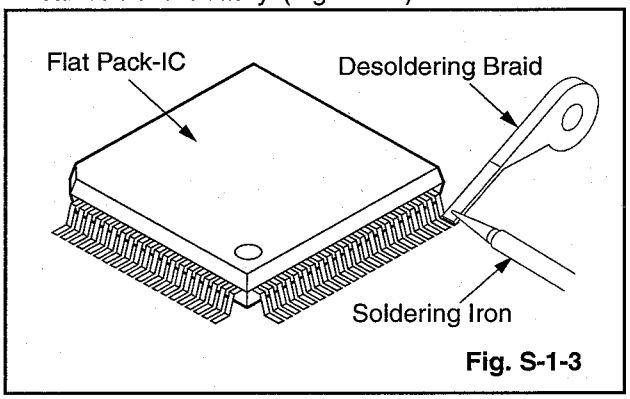


Fig. S-1-3

(2) Lift each lead of the flat pack-IC upward one by one, using a sharp pin or wire to which solder will not adhere (iron wire). When heating the pins, use a fine tip soldering iron or a hot air desoldering machine. (Fig. S-1-4)

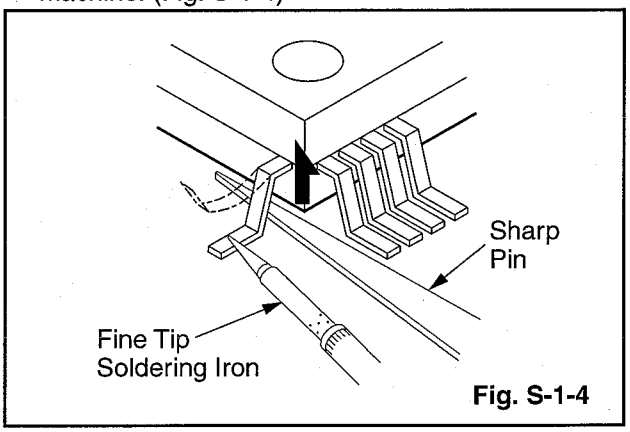


Fig. S-1-4

(3) Bottom of the flat pack-IC is fixed with glue to the CBA; when removing entire flat pack-IC, first apply soldering iron to center of the flat pack-IC and heat up. Then remove (glue will be melted). (Fig. S-1-6)

(4) Release the flat pack-IC from the CBA using tweezers. (Fig. S-1-6)

With Iron Wire:

(1) Using desoldering braid, remove the solder from all pins of the flat pack-IC. When you use solder flux which is applied to all pins of the flat pack-IC, you can remove it easily. (Fig. S-1-3)

(2) Affix the wire to a workbench or solid mounting point, as shown in Fig. S-1-5.

(3) While heating the pins using a fine tip soldering iron or hot air blower, pull up the wire as the solder melts so as to lift the IC leads from the CBA contact pads as shown in Fig. S-1-5.

(4) Bottom of the flat pack-IC is fixed with glue to the CBA; when removing entire flat pack-IC, first apply soldering iron to center of the flat pack-IC and heat up. Then remove (glue will be melted). (Fig. S-1-6)

(5) Release the flat pack-IC from the CBA using tweezers. (Fig. S-1-6)

Note:

When using a soldering iron, care must be taken to ensure that the flat pack-IC is not being held by glue. When the flat pack-IC is removed from the CBA, handle it gently because it may be damaged if force is applied.

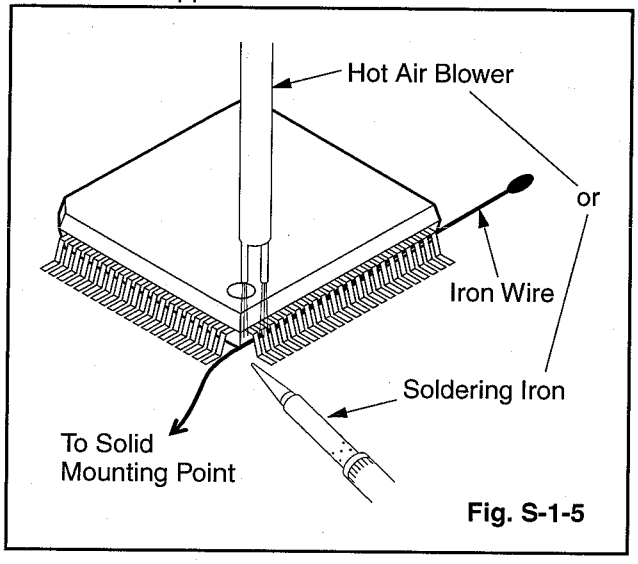


Fig. S-1-5

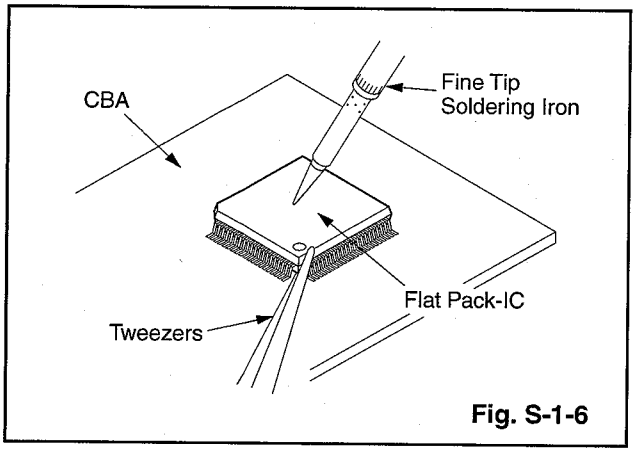


Fig. S-1-6

2. Installation

(1) Using desoldering braid, remove the solder from the foil of each pin of the flat pack-IC on the CBA so you can install a replacement flat pack-IC more easily.

(2) The "●" mark on the flat pack-IC indicates pin 1. (See Fig. S-1-7.) Be sure this mark matches the 1 on the PCB when positioning for installation. Then presolder the four corners of the flat pack-IC. (See Fig. S-1-8.)

(3) Solder all pins of the flat pack-IC. Be sure that none of the pins have solder bridges.

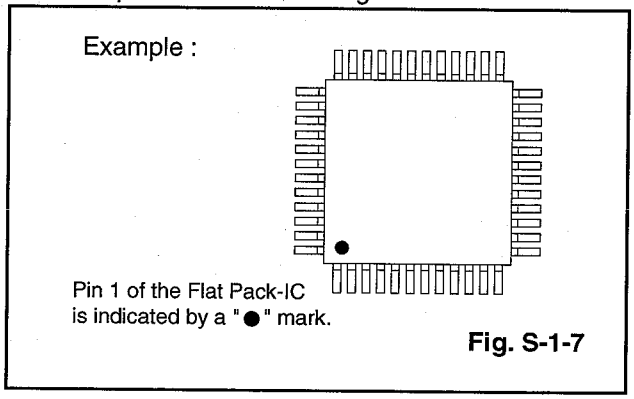


Fig. S-1-7

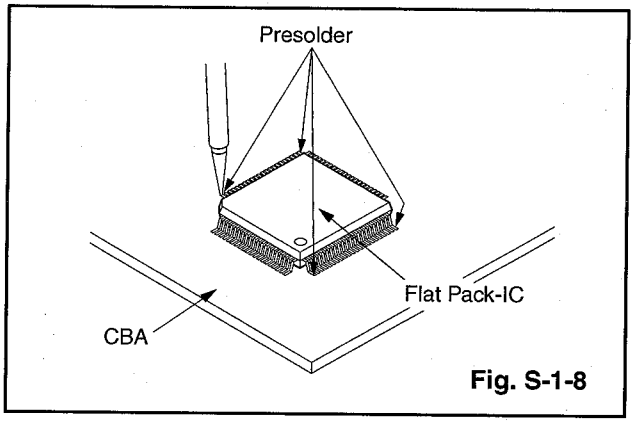


Fig. S-1-8

Instructions for Handling Semi-conductors

Electrostatic breakdown of the semi-conductors may occur due to a potential difference caused by electrostatic charge during unpacking or repair work.

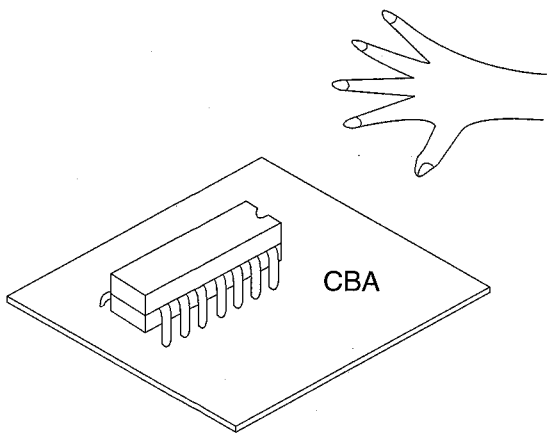
1. Ground for Human Body

Be sure to wear a grounding band (1MΩ) that is properly grounded to remove any static electricity that may be charged on the body.

2. Ground for Workbench

(1) Be sure to place a conductive sheet or copper plate with proper grounding (1MΩ) on the workbench or other surface, where the semi-conductors are to be placed. Because the static electricity charge on clothing will not escape through the body grounding band, be careful to avoid contacting semi-conductors with your clothing.

< Incorrect >



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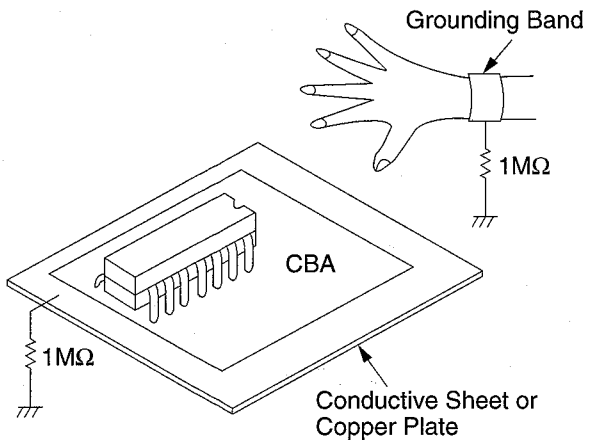
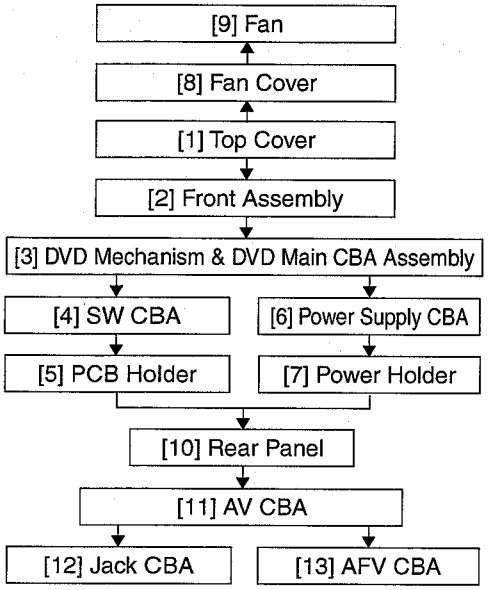


CABINET DISASSEMBLY INSTRUCTIONS

1. Disassembly Flowchart

This flowchart indicates the disassembly steps to gain access to item(s) to be serviced. When reassembling, follow the steps in reverse order. Bend, route, and dress the cables as they were originally.



2. Disassembly Method

ID/ Loc. No.	Part	Removal		
		Fig. No.	Remove/*Unhook/ Unlock/Release/ Unplug/Desolder	Note
[1]	Top Cover	D1	7(S-1)	---
[2]	Front Assembly	D2	*6(L-1), *3(L-2)	1
[3]	DVD Mechanism & DVD Main CBA Assembly	D3	4(S-2), *CN501, *CN601	---
[4]	SW CBA	D4	(S-3), Desolder	---
[5]	PCB Holder	D4	2(S-4)	---
[6]	Power Supply CBA	D4	3(S-5), *CN1201	---
[7]	Power Holder	D4	(S-6)	---
[8]	Fan Cover	D5	2(S-7)	---
[9]	Fan	D5	Fan Earth, *CN1202	---
[10]	Rear Panel	D5	(S-8), 7(S-9)	---
[11]	AV CBA	D6	3(S-10)	---
[12]	Jack CBA	D6	Desolder	---
[13]	AFV CBA	D6	Desolder	---
↓ (1)	↓ (2)	↓ (3)	↓ (4)	↓ (5)

Note:

(1) Identification (location) No. of parts in the figures

(2) Name of the part

(3) Figure Number for reference

(4) Identification of parts to be removed, unhooked, unlocked, released, unplugged, unclamped, or desoldered.
P = Spring, L = Locking Tab, S = Screw,
CN = Connector
* = Unhook, Unlock, Release, Unplug, or Desolder
e.g. 2(S-2) = two Screws (S-2),
2(L-2) = two Locking Tabs (L-2)

(5) Refer to "Reference Notes."

Reference Notes

1. **CAUTION 1:** Locking Tabs (L-1) and (L-2) are fragile. Be careful not to break them.

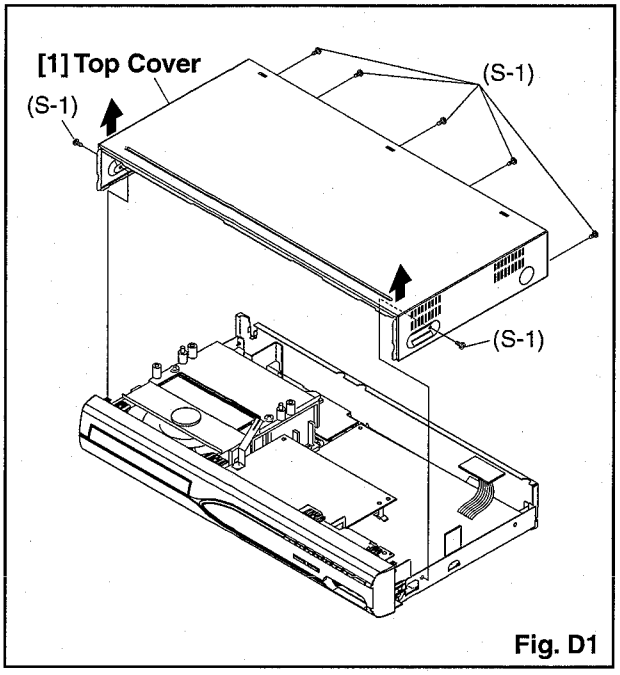


Fig. D1

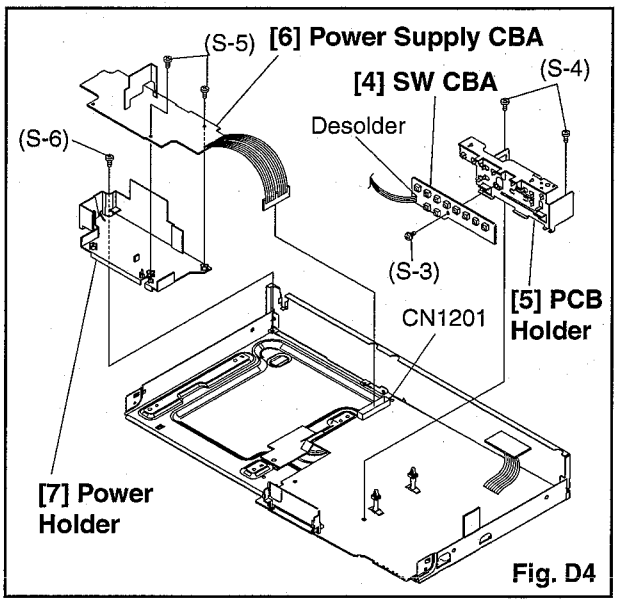


Fig. D4

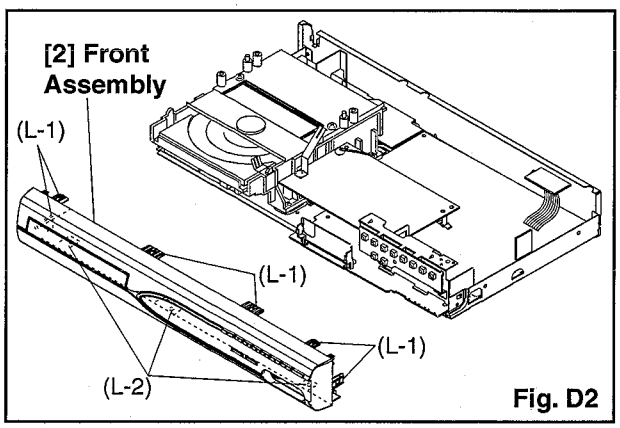


Fig. D2

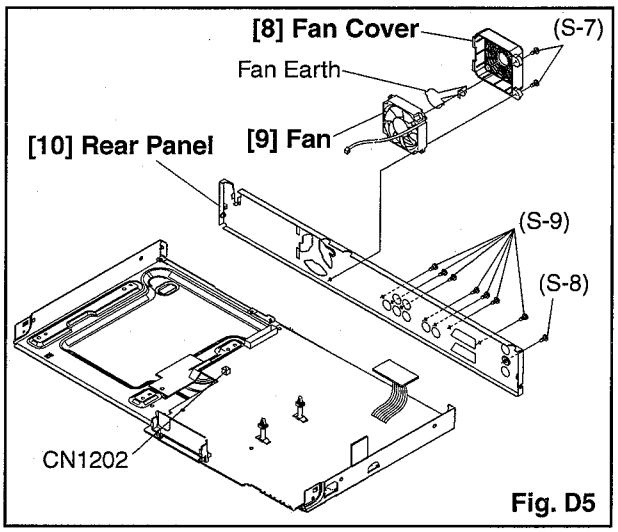


Fig. D5

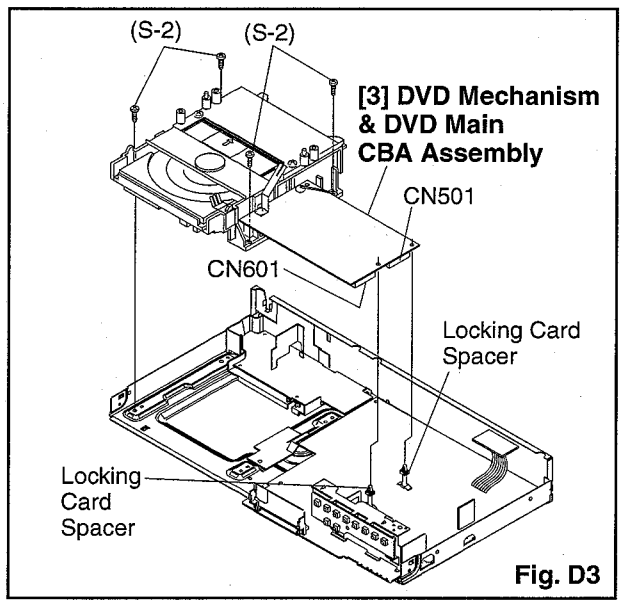


Fig. D3

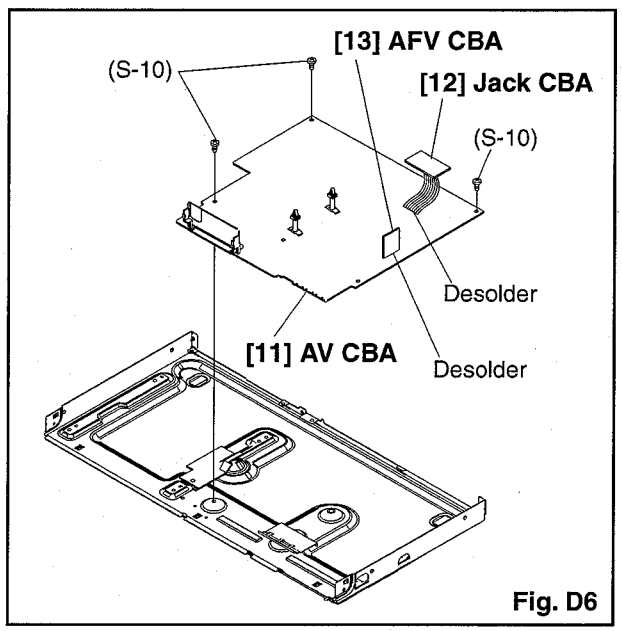


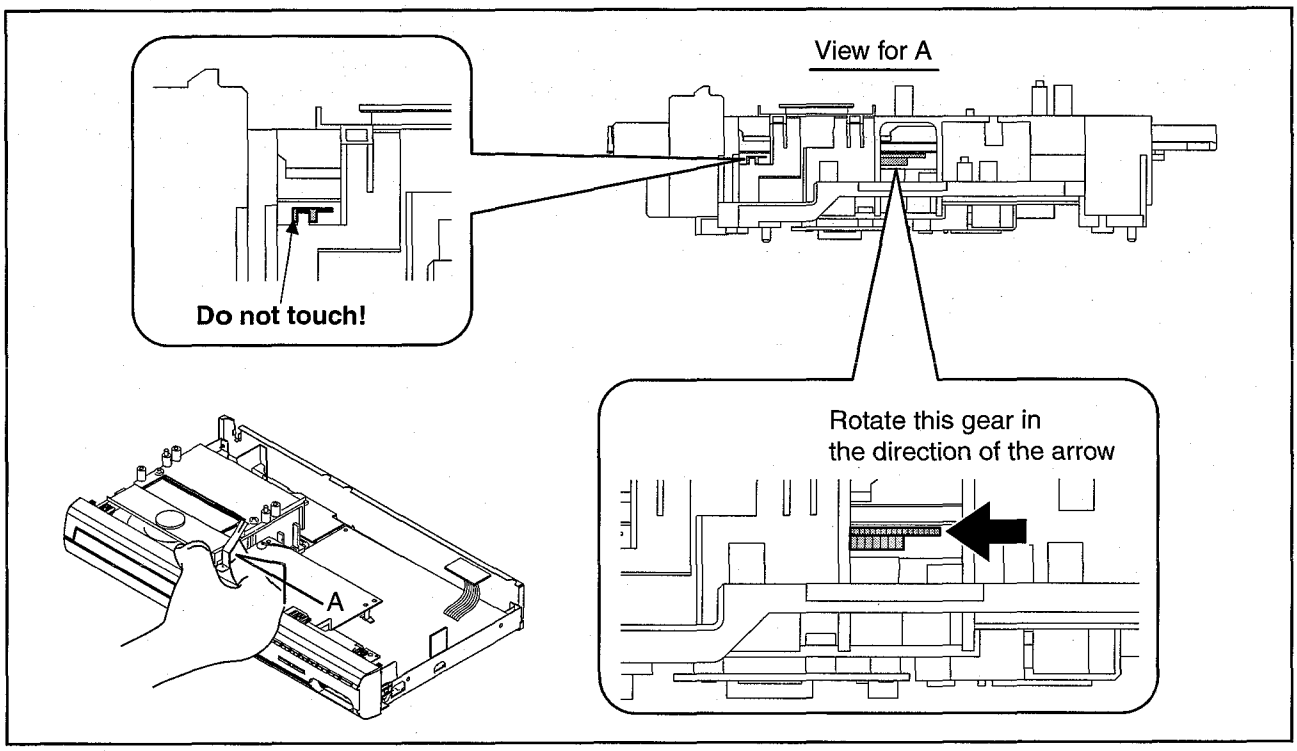
Fig. D6

3. How to Eject Manually

< Method 1 >

Note: When servicing, do not touch white resin part as shown below.
When rotating the gear, be careful not to damage the gear.

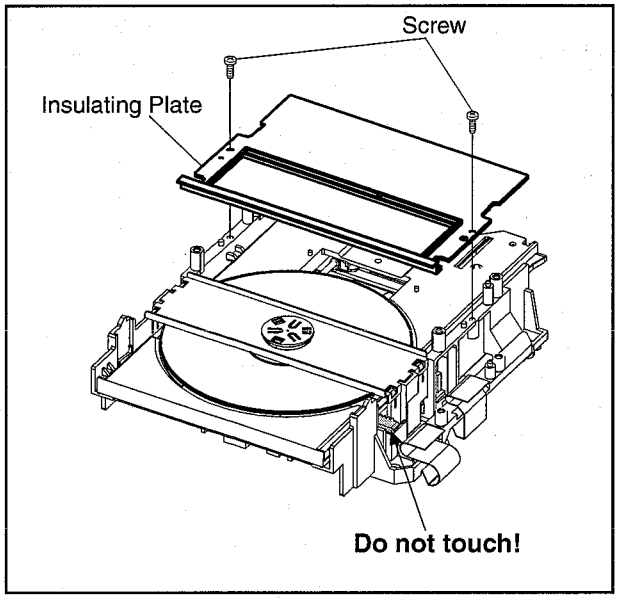
1. Remove the Top Cover.
2. Rotate the gear in the direction of the arrow manually as shown below.



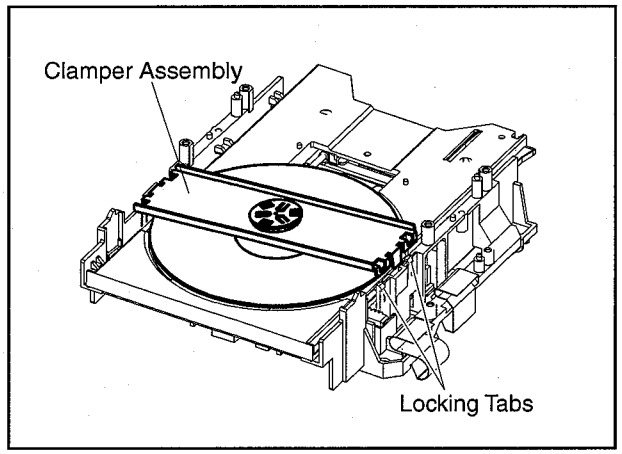
< Method 2 >

Note: When servicing, do not touch white resin part as shown below.

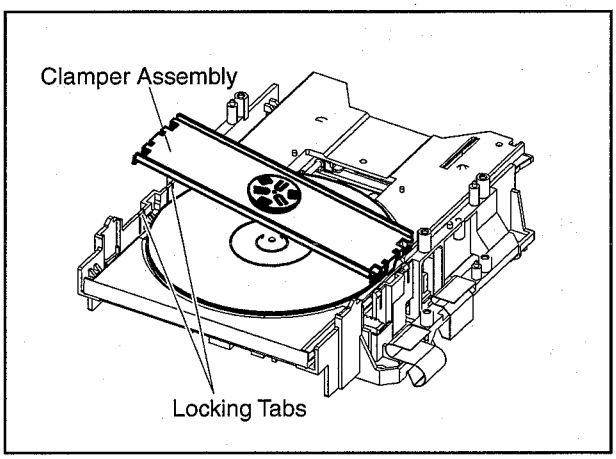
1. Remove the Top Cover, the Front Assembly and the DVD Mechanism & DVD Main CBA Assembly. Then, remove the DVD Mechanism Unit.
2. Remove two screws, and remove the Insulating Plate.



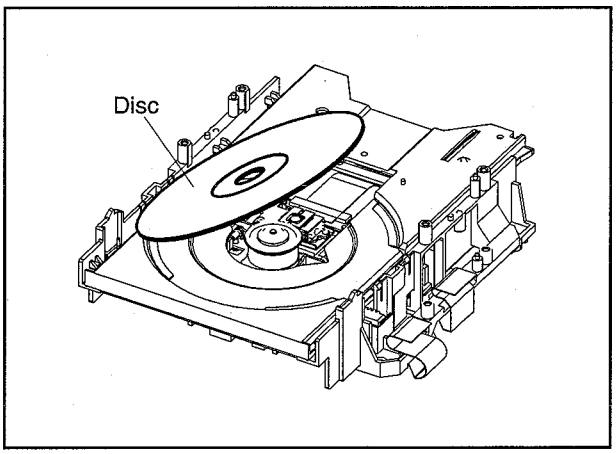
3. Release two Locking Tabs, and lift up one side of the Clamper Assembly.



4. Release the other side of two Locking Tabs, and remove the Clamper Assembly.



5. Remove the disc.



HOW TO INITIALIZE THE DVD RECORDER

To put the program back at the factory-default, initialize the DVD recorder as the following procedure.

1. Turn the DVD recorder on.
2. Confirm that no disc is loaded or that the disc tray is open. To put the DVD recorder into the Version display mode, press [CM SKIP], [1], [2], and [3] buttons on the remote control in that order. Fig. a appears on the screen.

*1: "*******" differs depending on the models.
*2: Firmware Version differs depending on the models, and this indication is one example.

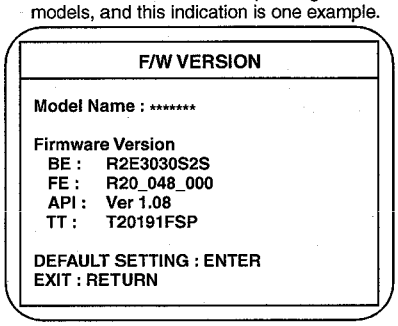


Fig. a Version Display Mode Screen

3. Press [ENTER] button, then the DVD recorder starts initializing. When the initializing is completed, the DVD recorder exits the Version display mode and turns off the power automatically.
   * To move into the Normal mode from the Version display mode, press [RETURN] button on the remote control instead of [ENTER] button.
   * When [STANDBY-ON] button is pressed before [ENTER] button is pressed, the DVD recorder exits the Version display mode, then the power turns off.

FIRMWARE RENEWAL MODE

1. Turn the power on and remove the disc on the tray.
2. To put the DVD recorder into version up mode, press [CM SKIP], [6], [5], and [4] buttons on the remote control unit in that order. Then the tray will open automatically.
   Fig. a appears on the screen and Fig. b appears on the VFD.

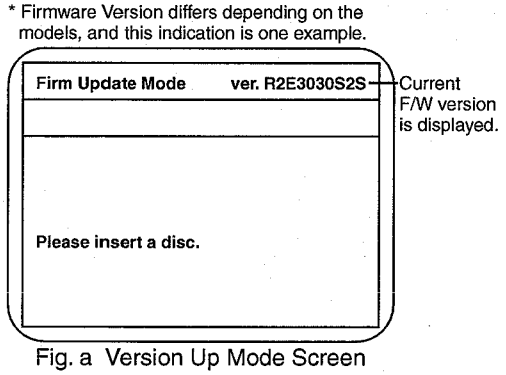

* Firmware Version differs depending on the models, and this indication is one example.
Firm Update Mode
ver. R2E3030S2S
Current F/W version is displayed.
Please insert a disc.

Fig. a Version Up Mode Screen

Fig. b VFD in Version Up Mode

3. Load the disc for version up.
   Fig. c appears on the screen. The file on the top is highlighted as the default.
   When there is only one file to exist, Step 4 will start automatically.

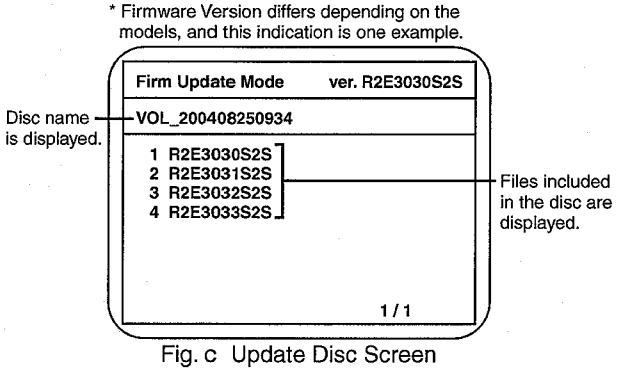


Fig. c Update Disc Screen

4. Select the firmware version pressing arrow buttons, then press [ENTER].
   Fig. d appears on the screen and Fig. e appears on the VFD. The DVD recorder starts updating.

   About VFD indication of Fig. e:

   1) When Fig. d is displayed on the screen, "F-UP" is displayed on the VFD.
   2) When "Firmware Updating... XX% Complete." is displayed on the screen, "XX"% is displayed on the VFD.

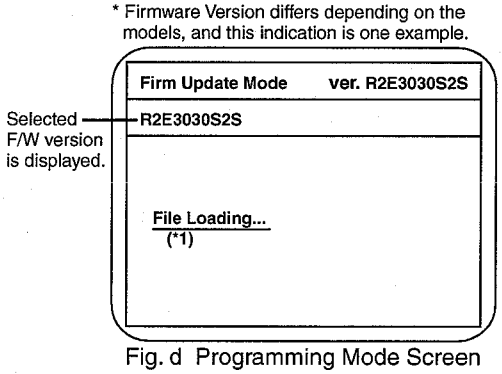

* Firmware Version differs depending on the models, and this indication is one example.
Firm Update Mode
ver. R2E3030S2S
Selected F/W version is displayed.
R2E3030S2S
File Loading...
(*1)

Fig. d Programming Mode Screen

Fig. e VFD in Programming Mode (Example)

The appearance shown in (*1) of Fig. d is described as follows.

No.	Appearance	State
1	File Loading...	Sending files into the memory
2	Firmware Updating... XX% Complete.	Writing new version data
---	Firmware Update Failure	Failed in updating

5. After updating is finished, the tray opens automatically.
   Fig. f appears on the screen and Fig. g appears on the VFD.

* Firmware Version differs depending on the models, and this indication is one example.

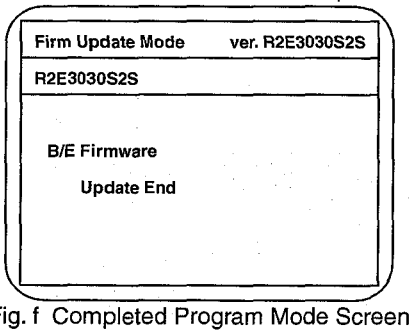


Fig. f Completed Program Mode Screen

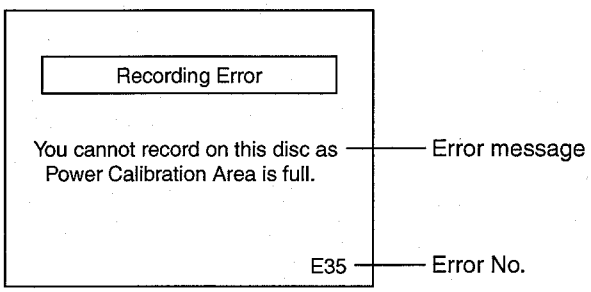
Fig. g VFD in Completed Program Mode

   At this time, no button is available.

6. Press [STANDBY-ON] button to turn the power off. Then press it again.

FUNCTION INDICATOR SYMBOLS

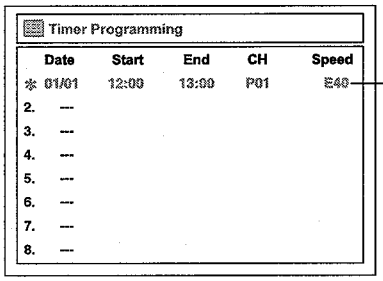
Note: If an error occurs, a message with the error number appears on the screen.



Message	Solution	Error No.	Error Description	Priority
Can not record on this disc.	Insert the recordable disc, and ensure the disc status satisfies the recording requirements.	1	An error occurs during data reading.	-
		2	There is no reply for 15 seconds in Test Unit Ready.	-
		3	Cannot write the data after trying to write three times.	-
		4	An error occurs with OPC.	-
		5	During recovery in a record.	-
		6	An error occurs even if it do recovery of a record three times.	-
		7	An error occurs in a format.	-
		8	It cannot start an encode.	-
		9	There is not NV_PCK/RDI_PCK in data doing an encode.	-
		10	Encode Pause condition continued for 10 minutes.	-
		11	Encode Pause condition continued by normal REC condition for 10 minutes.	-
		12	Differ in an address and do not get StreamID of RDI/VIDEO.	-
		13	It is a reply that "ATAPI is not readable."	-
		14	Cannot write the data after recovering SMALL VMGI.	-
		15	Cannot write the data after DVD-R Reverse Track.	-
		16	An error occurs in Finalize Close.	-
		17	An error occurs in Rec Stop Close.	-
		18	An error occurs in PCA Full (DVD_R).	-
		19	Safety Stop occurs during editing.	-
		20	High Speed Disc.	2
		21	The disc which is not formatted.	5
		22	The disc that Disc Error occurred.	3
		23	The -R Disc of VR Mode.	6
		24	The disc except DVD-R/RW or DVD-R finalized disc	1
This program is not allowed to be recorded.	You cannot record copy prohibited programs.	25	During the Macrovision picture input.	11
		26	During the CGMS picture input.	12
This program is not recordable in Video mode.	Set "DVD-RW Recording Format" to "VR mode".	27	During the CGMS picture (possible a record once) input. (Video Format Disc)	12
This program is not allowed to be recorded on this disc.	Insert a ver.1.1 CPRM compatible DVD-RW disc.	28	During the CGMS picture (possible a record once) input. (Disc which there is not for the correspondence to VR Format CPRM)	12

Message	Solution	Error No.	Error Description	Priority
This disc is protected and not recordable.	Release the disc protect setting in the Disc Setting menu.	29	Disc Protected Disc.	7
Disc is full. (No area for new recording)	Insert the recordable disc with enough recording space.	30	There is no it in a space field.	5
You cannot record more than 99 titles on one disc. (The maximum is 99.)	Delete unnecessary titles.	31	It is recorded a 99 title. (Video Format Disc)	7
		32	It is recorded a 99 title. (VR Format Disc)	8
You cannot record more than 999 chapters on one disc. (The maximum is 999.)	Delete unnecessary chapter markers.	33	There is 999 number of total chapter. (VR Format Disc)	9
You cannot record on this disc as Control Information is full.	Delete unnecessary titles.	34	There is not a space to a record field of control information.	10
You cannot record on the disc as Power Calibration Area is full.	Insert a new disc.	35	PCA Full. (in REC start)	4
This disc is already finalized.	Release the finalizing for this disc.	36	It is done Finalize. (Video Format Disc)	6
Can not record on this disc.	Repeat the same operation.	37	Access to Memory Area range outside.	-
		38	Sector Address is wrong.	-
		39	BUP writing error of chapter editing.	-

If an error occurs during the timer recording, one of the following error numbers (40 to 42) or the above error messages (error number: 1 to 39) is displayed on the recording menu after timer recording.
(Once the screen of the program line is exited, the program line for the error will be cleared.)
(No Error Message is displayed for the error No. 40 ~ 42.)

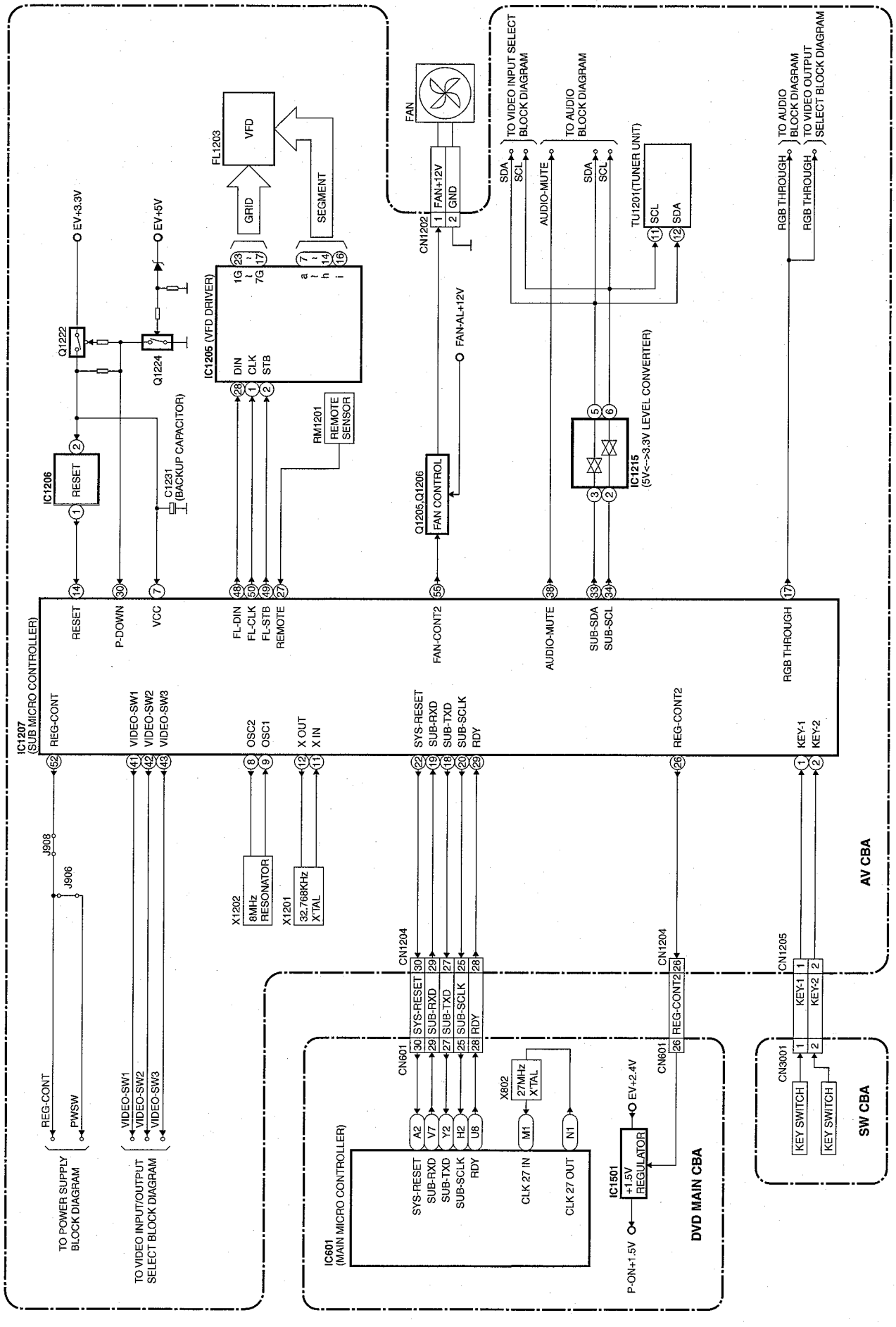


A program with the error number is grayed out and asterisked on the timer programming list.

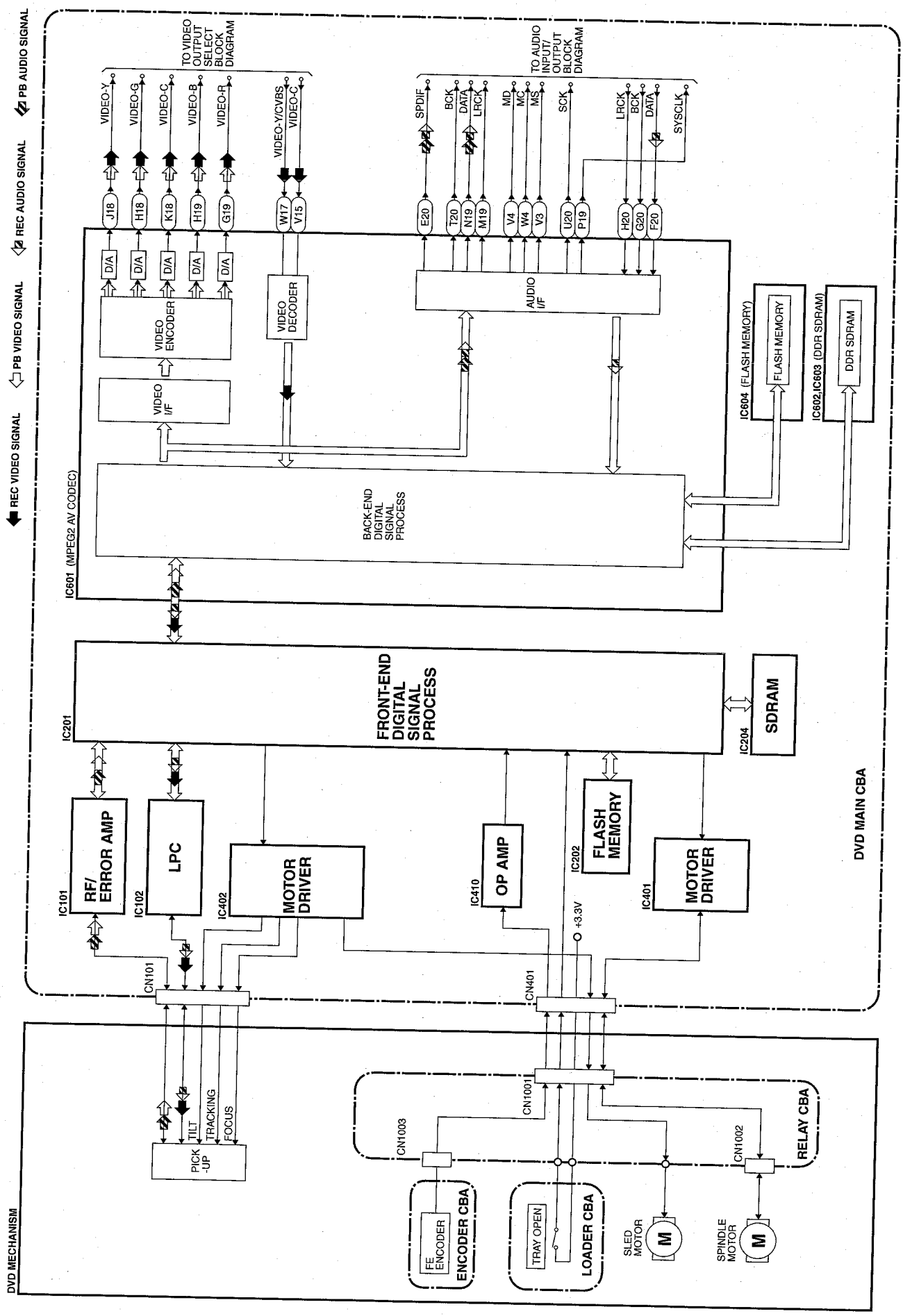
Message	Solution	Error No.	Error Description	Priority
Error message is not displayed.	- Set the timer programming correctly. - Set the timer programming before the start time. - Insert a recordable videotape with a record tab.	40	- Some portion has not been recorded because of program overlapping. - Recording did not start at the start time.	-
	Turn the power on and set the clock correctly then set timer programming again.	41	Power failed	-
	Insert the recordable disc.	42	No disc when recording	-

BLOCK DIAGRAMS

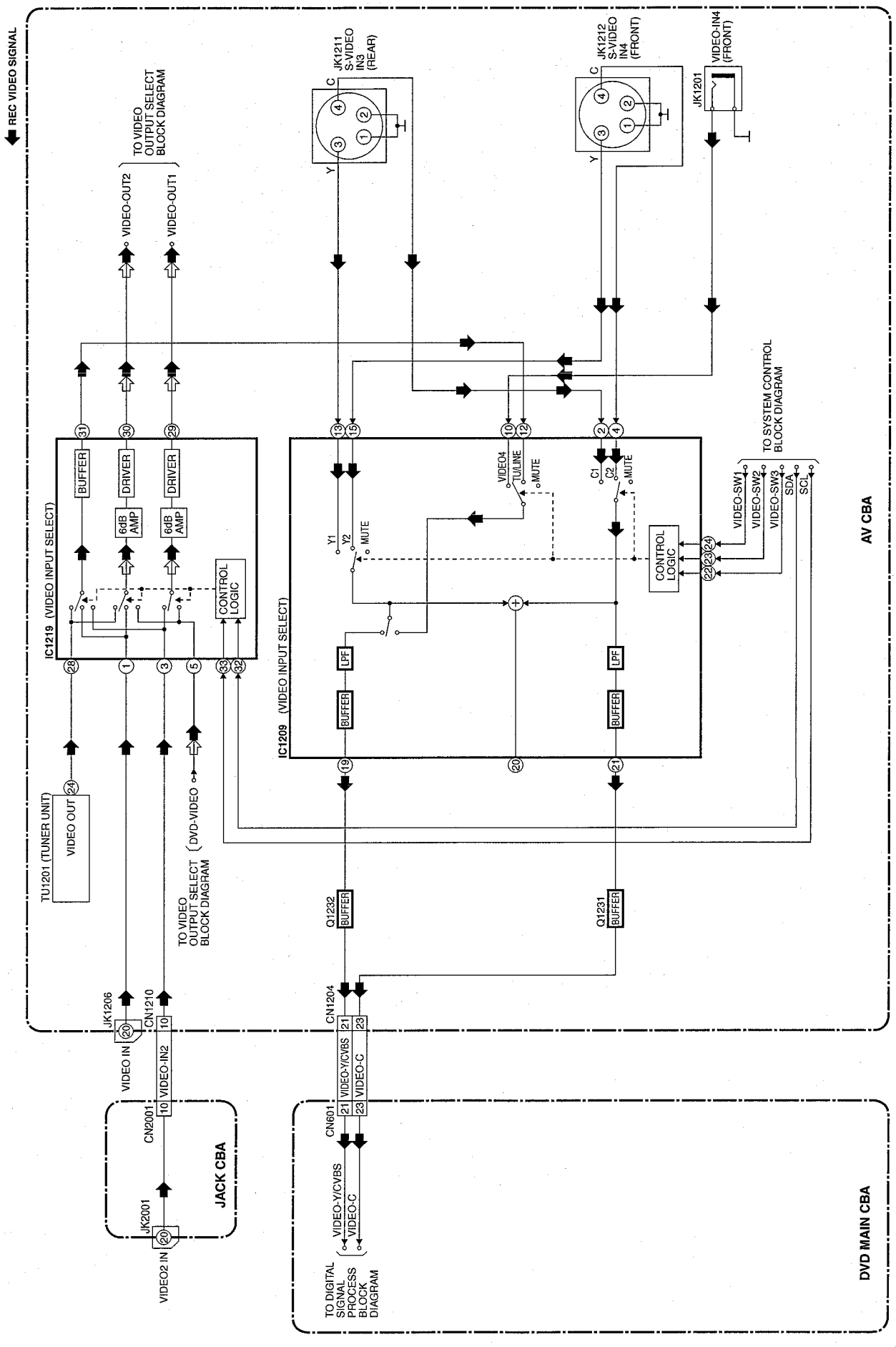
System Control Block Diagram



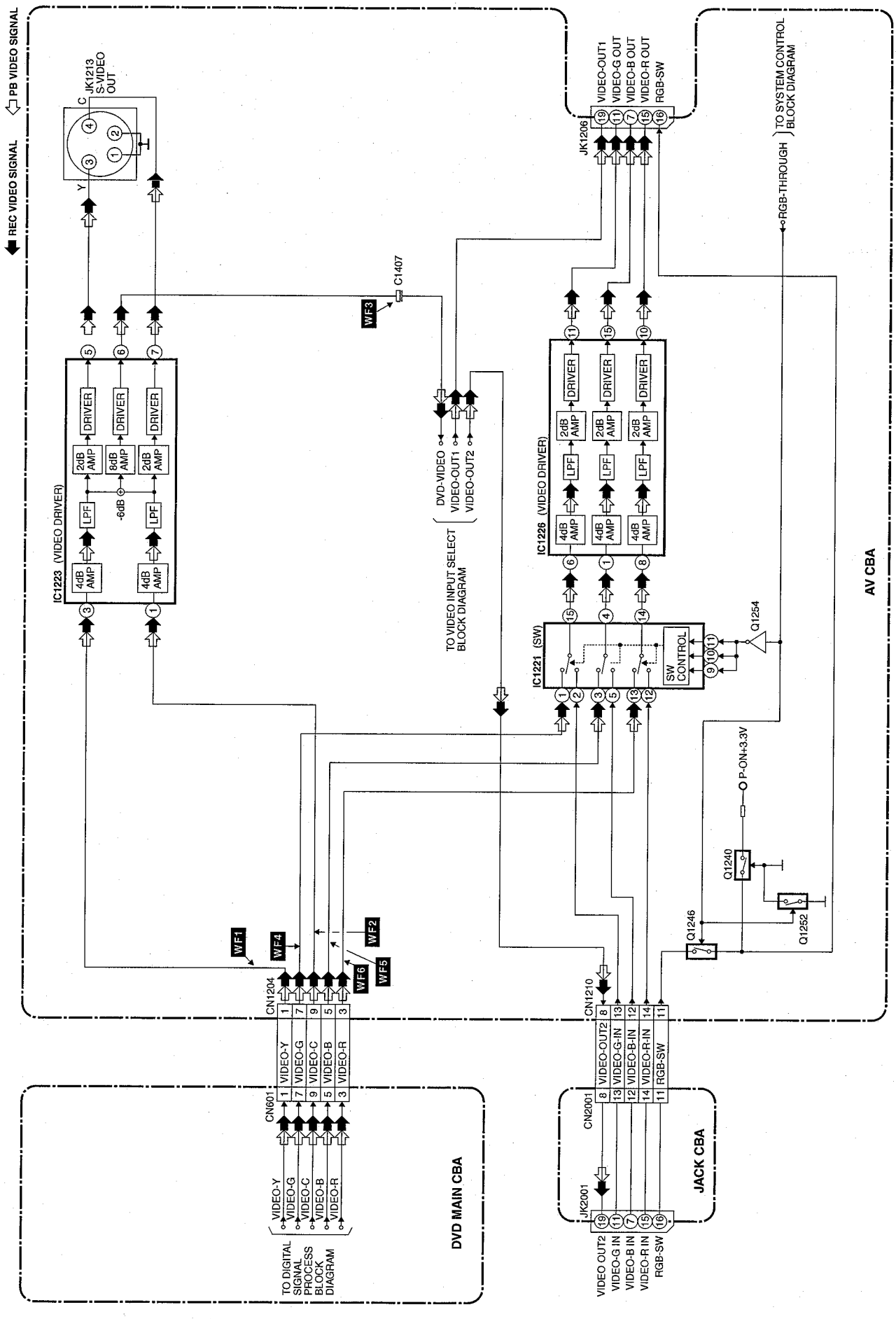
Digital Signal Process Block Diagram



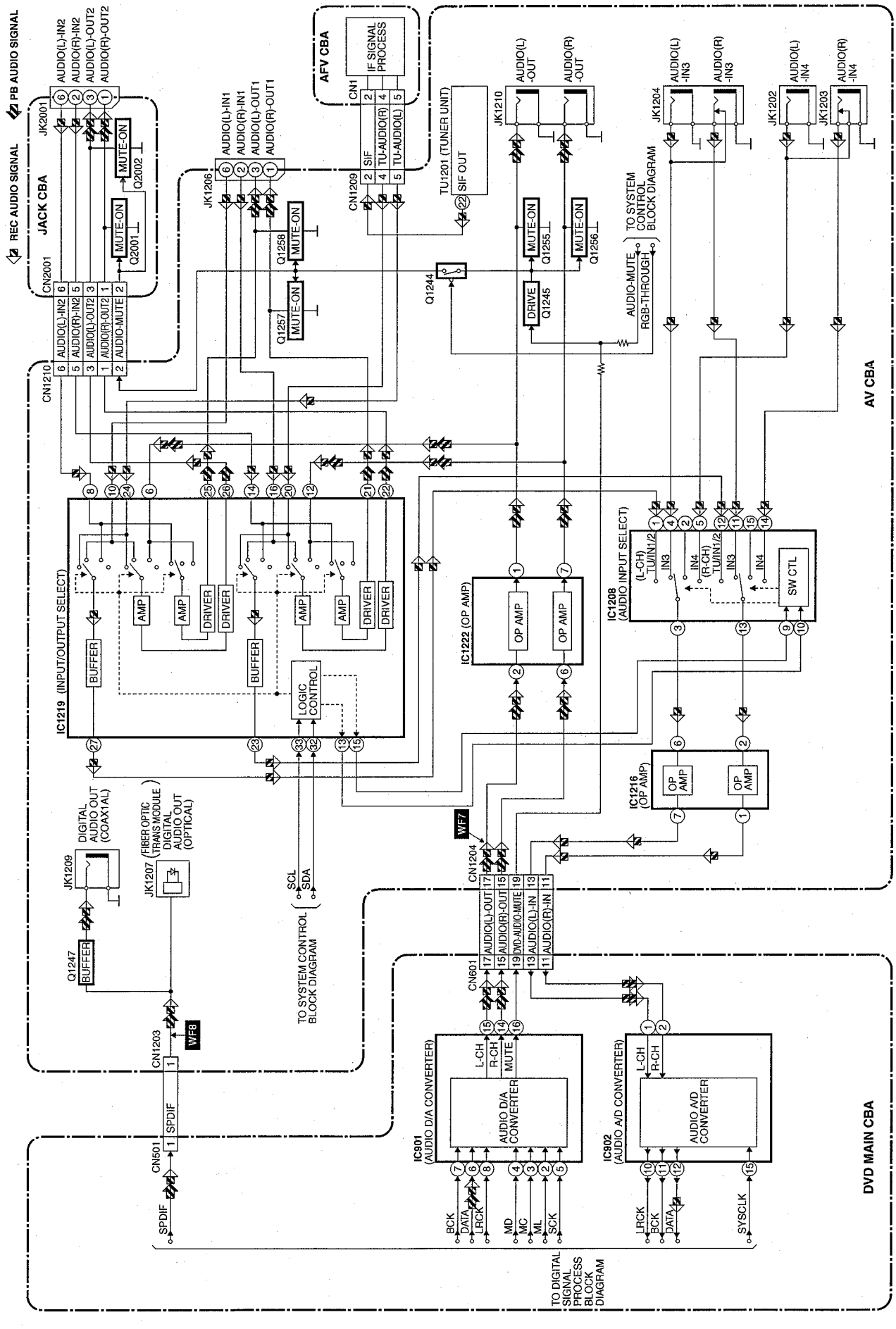
Video Input Select Block Diagram



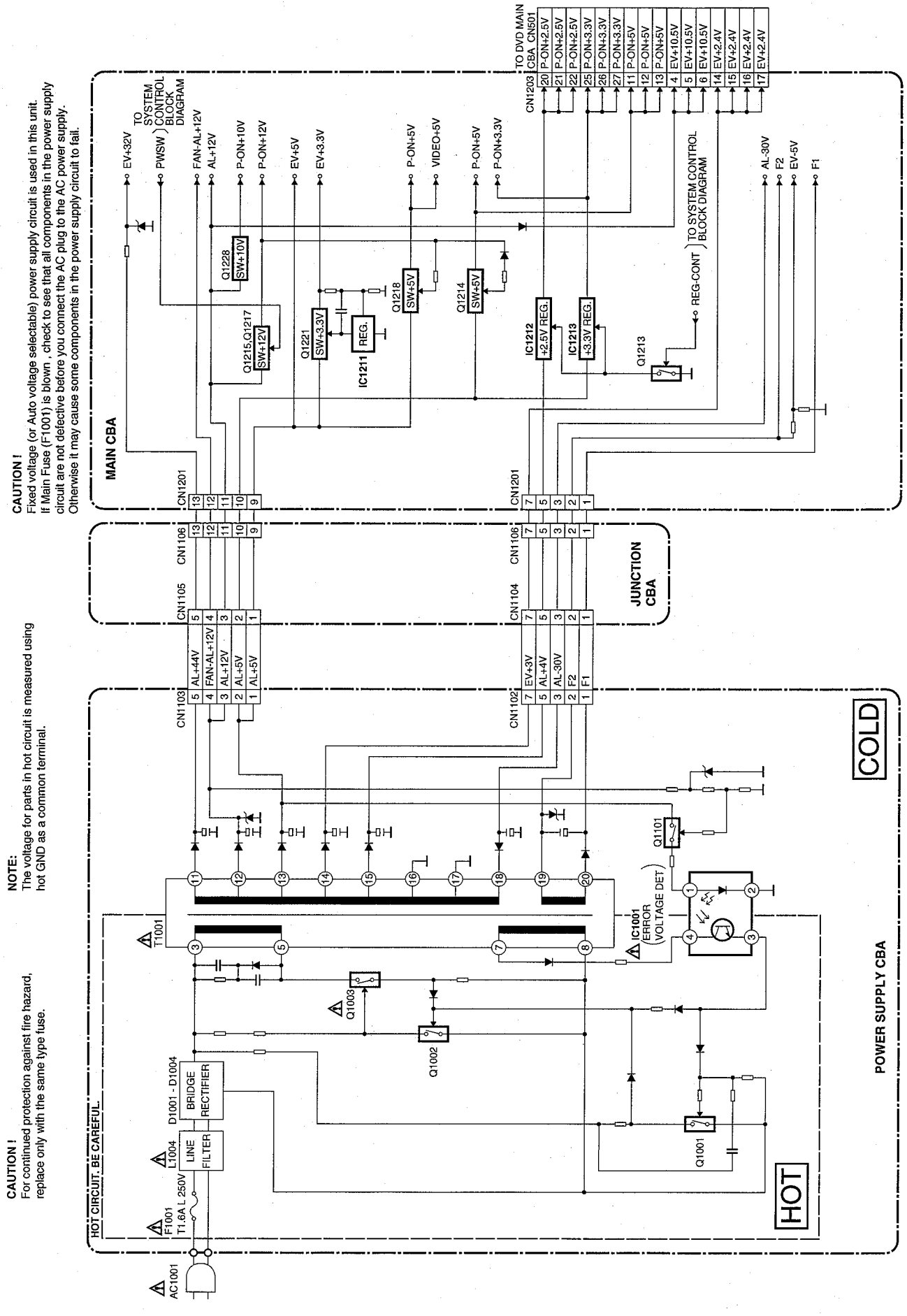
Video Output Select Block Diagram



Audio Block Diagram



Power Supply Block Diagram



SCHEMATIC DIAGRAMS / CBA'S AND TEST POINTS

Standard Notes

WARNING

Many electrical and mechanical parts in this chassis have special characteristics. These characteristics often pass unnoticed and the protection afforded by them cannot necessarily be obtained by using replacement components rated for higher voltage, wattage, etc. Replacement parts that have these special safety characteristics are identified in this manual and its supplements; electrical components having such features are identified by the mark " ⚠ " in the schematic diagram and the parts list. Before replacing any of these components, read the parts list in this manual carefully. The use of substitute replacement parts that do not have the same safety characteristics as specified in the parts list may create shock, fire, or other hazards.

Notes:

1. Do not use the part number shown on these drawings for ordering. The correct part number is shown in the parts list, and may be slightly different or amended since these drawings were prepared.
2. All resistance values are indicated in ohms ($K=10^3$, $M=10^6$).
3. Resistor wattages are 1/4W or 1/6W unless otherwise specified.
4. All capacitance values are indicated in μF ($P=10^{-6}$ μF).
5. All voltages are DC voltages unless otherwise specified.
6. Electrical parts such as capacitors, connectors, diodes, IC's, transistors, resistors, switches, and fuses are identified by four digits. The first two digits are not shown for each component. In each block of the diagram, there is a note such as shown below to indicate these abbreviated two digits.

LIST OF CAUTION, NOTES, AND SYMBOLS USED IN THE SCHEMATIC DIAGRAMS ON THE FOLLOWING PAGES:

1. CAUTION:

FOR CONTINUED PROTECTION AGAINST FIRE HAZARD, REPLACE ONLY WITH THE SAME TYPE FUSE.

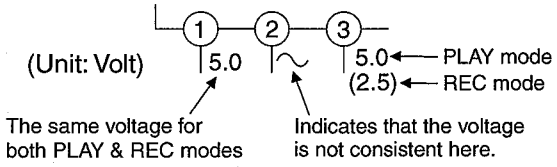
2. CAUTION:

Fixed Voltage (or Auto voltage selectable) power supply circuit is used in this unit.
If Main Fuse (F1001) is blown, first check to see that all components in the power supply circuit are not defective before you connect the AC plug to the AC power supply. Otherwise it may cause some components in the power supply circuit to fail.

3. Note:

1. Do not use the part number shown on the drawings for ordering. The correct part number is shown in the parts list, and may be slightly different or amended since the drawings were prepared.
2. To maintain original function and reliability of repaired units, use only original replacement parts which are listed with their part numbers in the parts list section of the service manual.

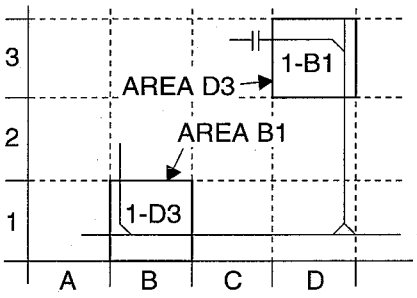
4. Voltage indications for PLAY and REC mode on the schematics are as shown below:



5. How to read converged lines

1-D3
- Distinction Area
- Line Number (1 to 3 digits)

Examples:
1. "1-D3" means that line number "1" goes to the line number "1" of the area "D3".
2. "1-B1" means that line number "1" goes to the line number "1" of the area "B1".



6. Test Point Information

: Indicates a test point with a jumper wire across a hole in the PCB.

: Used to indicate a test point with a component lead on foil side.

: Used to indicate a test point with no test pin.

: Used to indicate a test point with a test pin.

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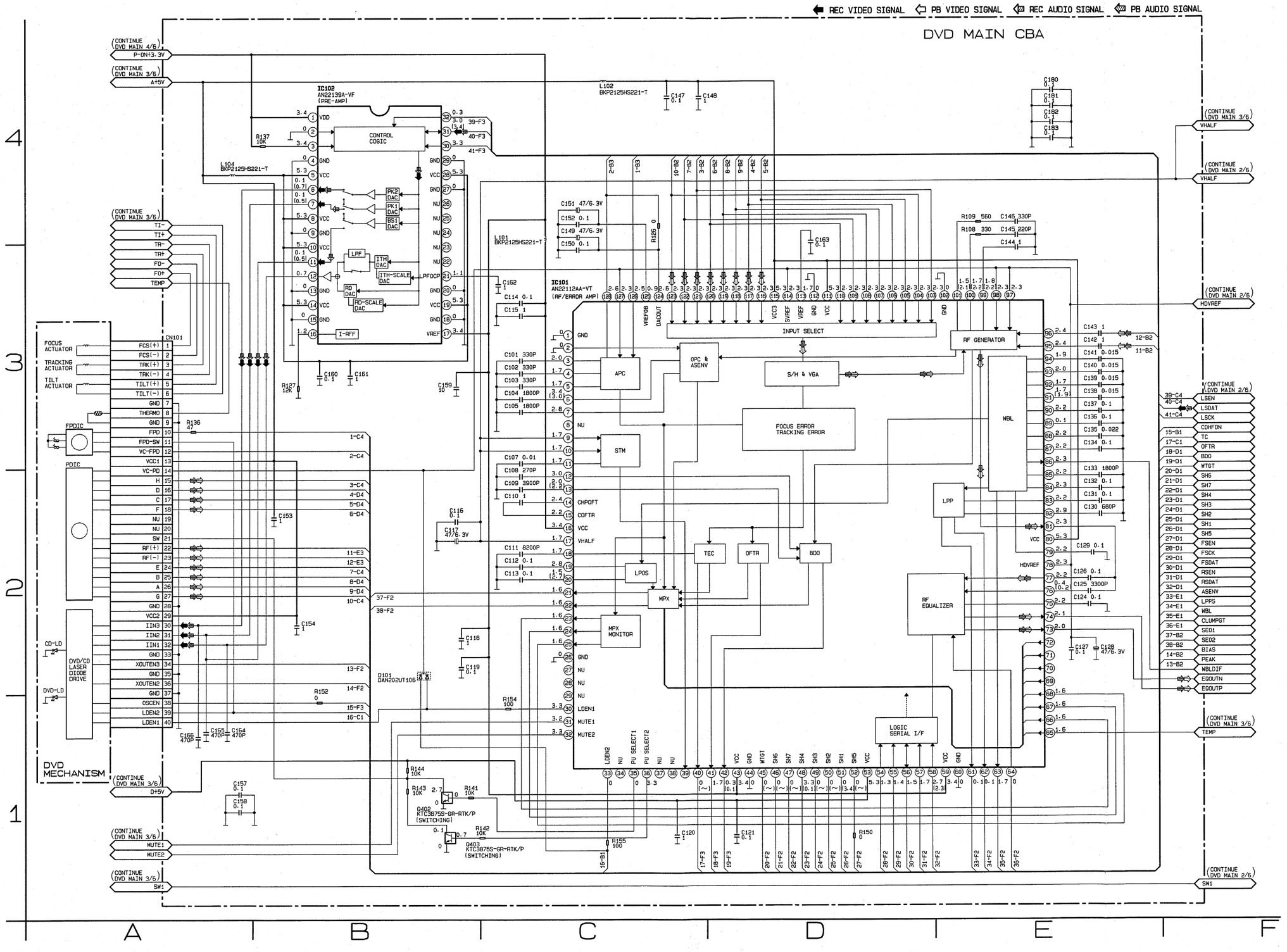
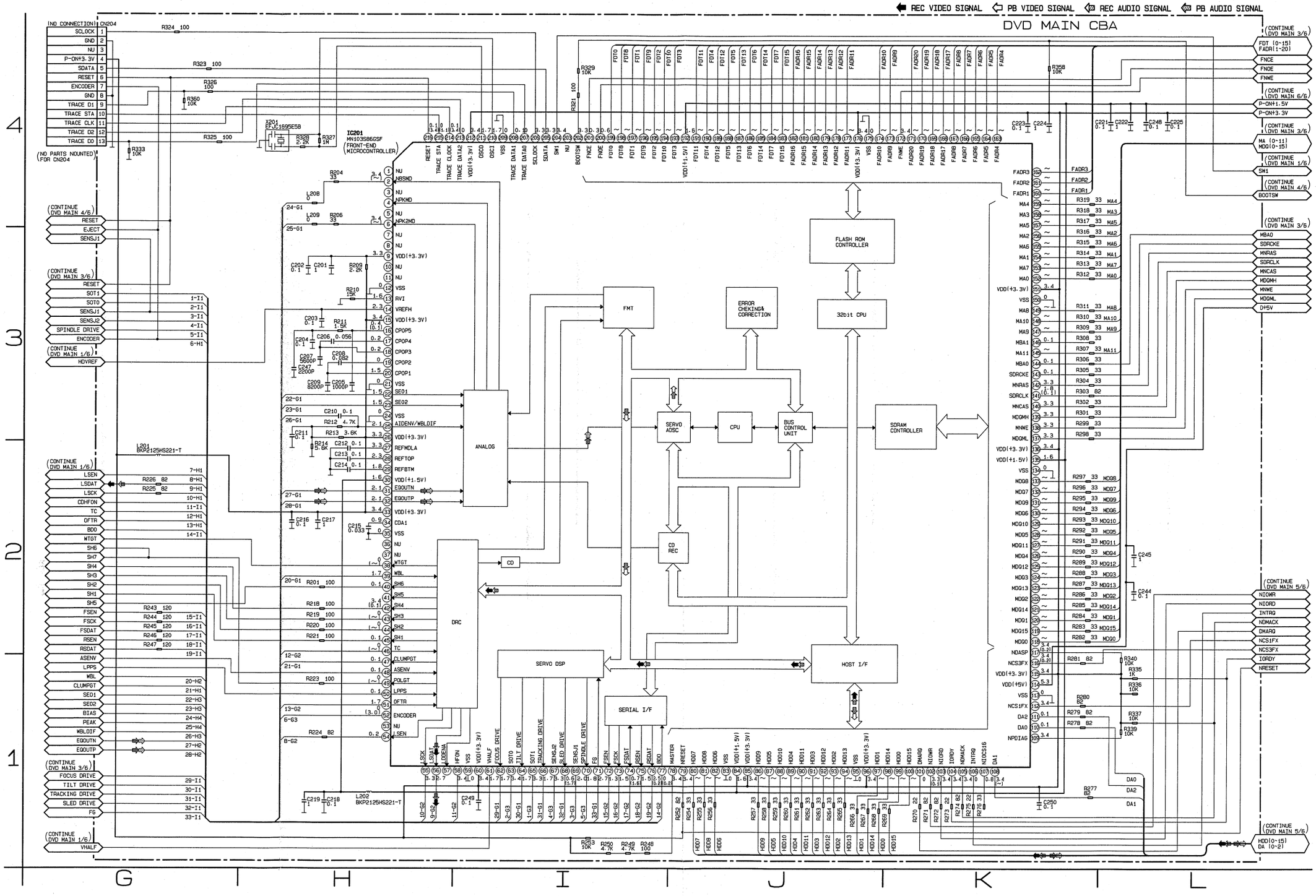
DVD Main 1/6 Schematic Diagram

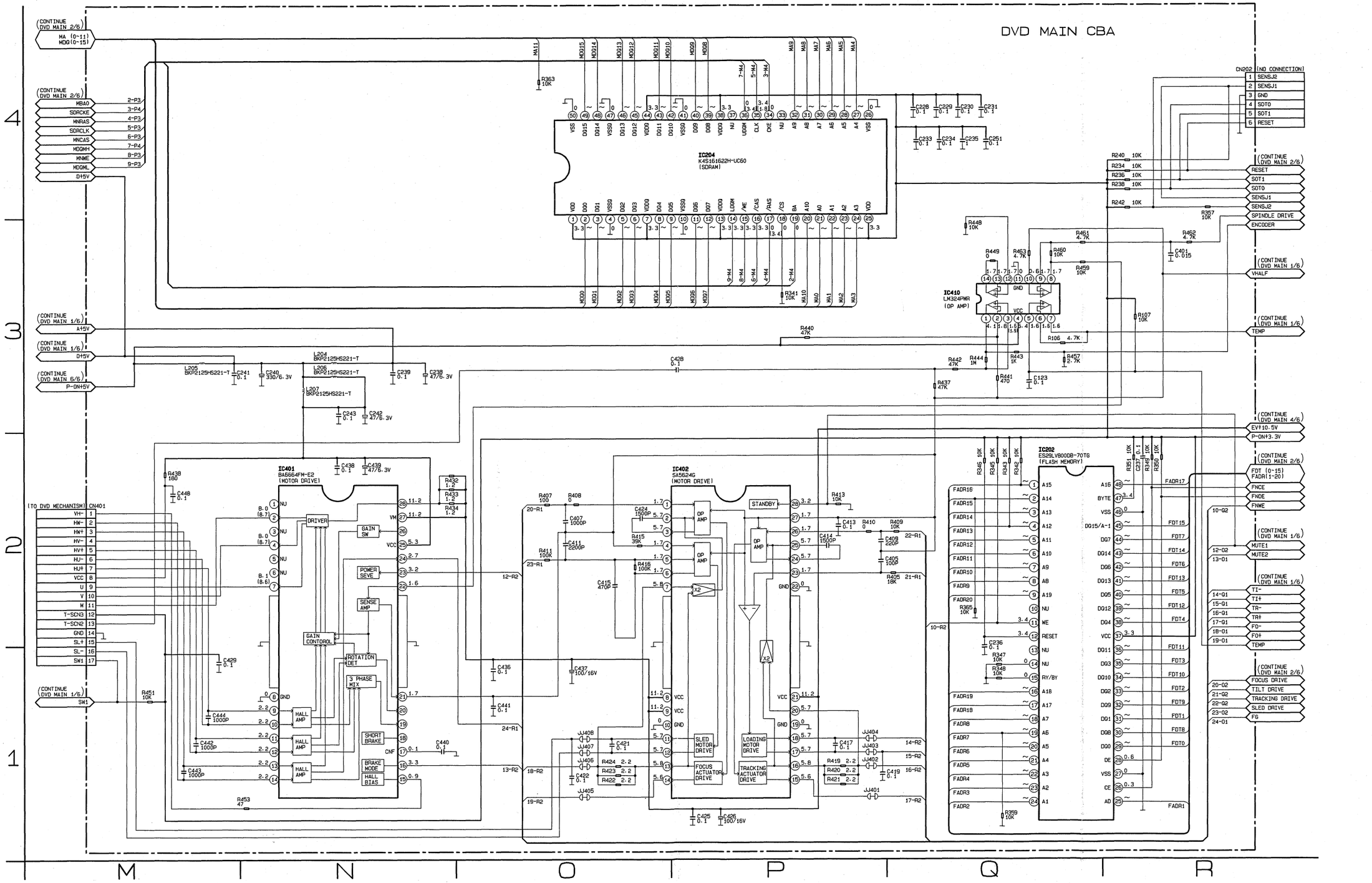


E68C1SCD1

DVD Main 2/6 Schematic Diagram



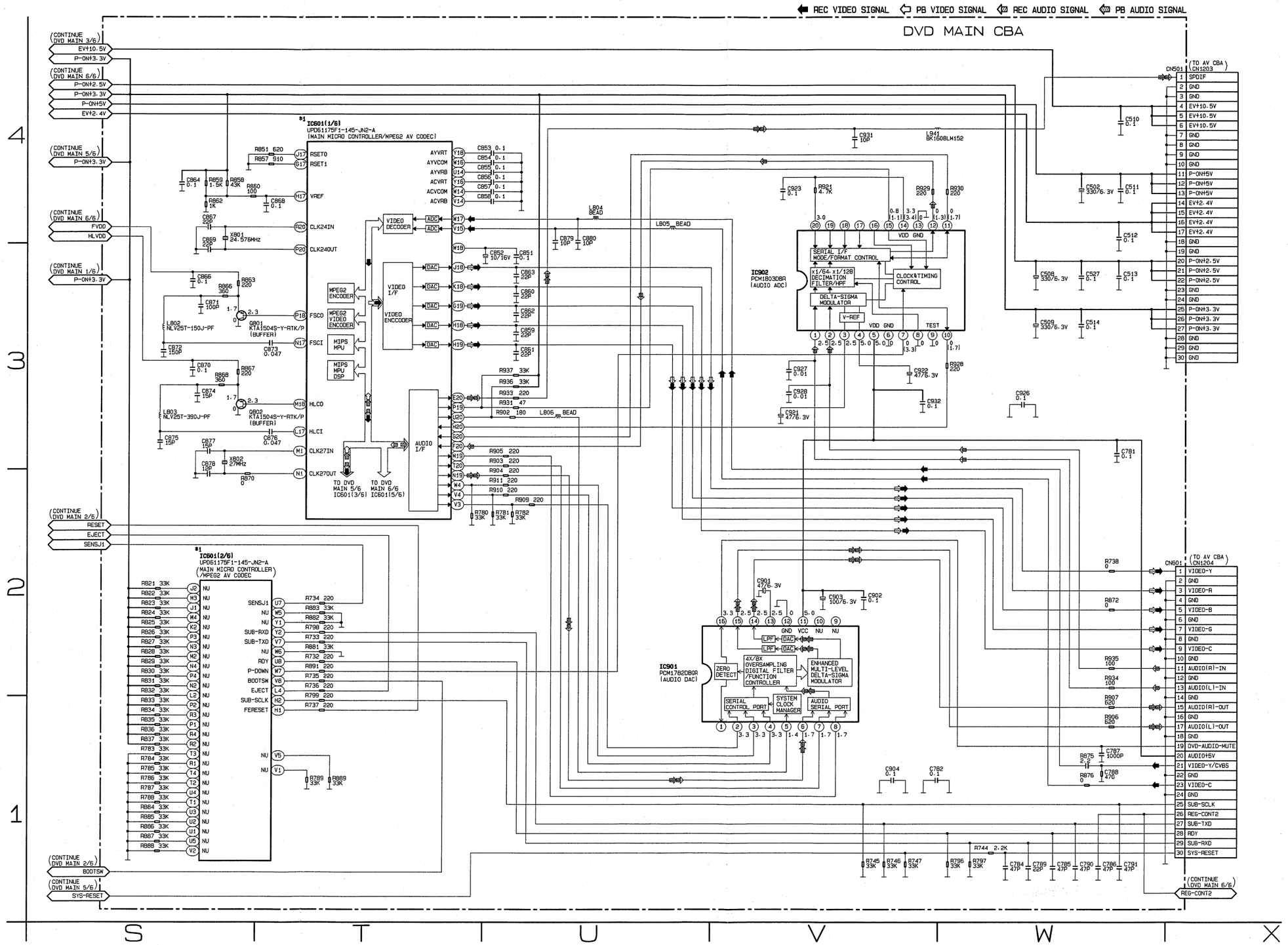
DVD Main 3/6 Schematic Diagram



DVD Main 4/6 Schematic Diagram

NOTE:

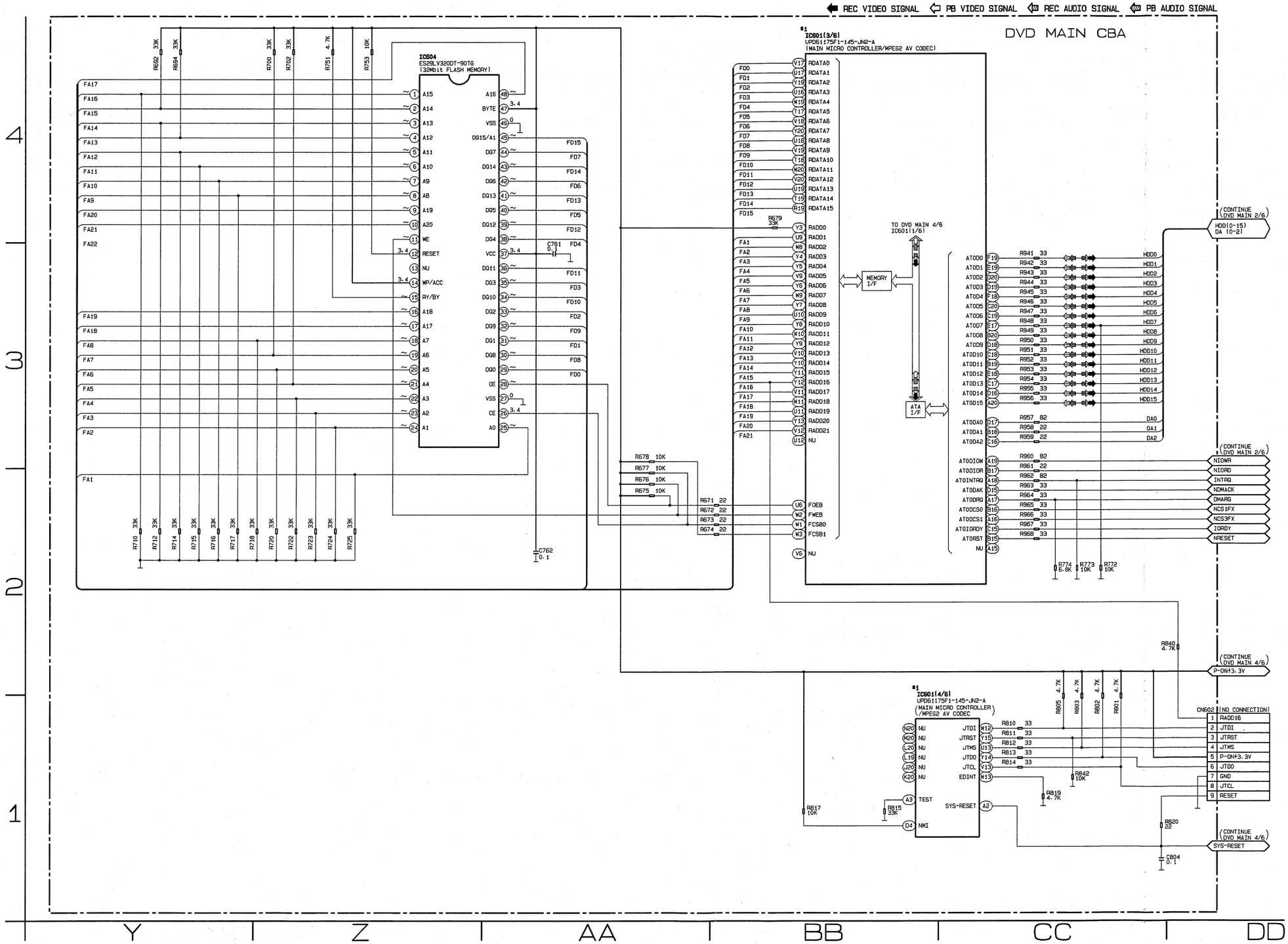
1. The order of pins shown in this diagram is different from that of actual IC601.
2. IC601 is divided into six and shown as IC601 (1/6) ~ IC601 (6/6) in this DVD Main Schematic Diagram Section.



DVD Main 5/6 Schematic Diagram

NOTE:

1. The order of pins shown in this diagram is different from that of actual IC601.
2. IC601 is divided into six and shown as IC601 (1/6) ~ IC601 (6/6) in this DVD Main Schematic Diagram Section.

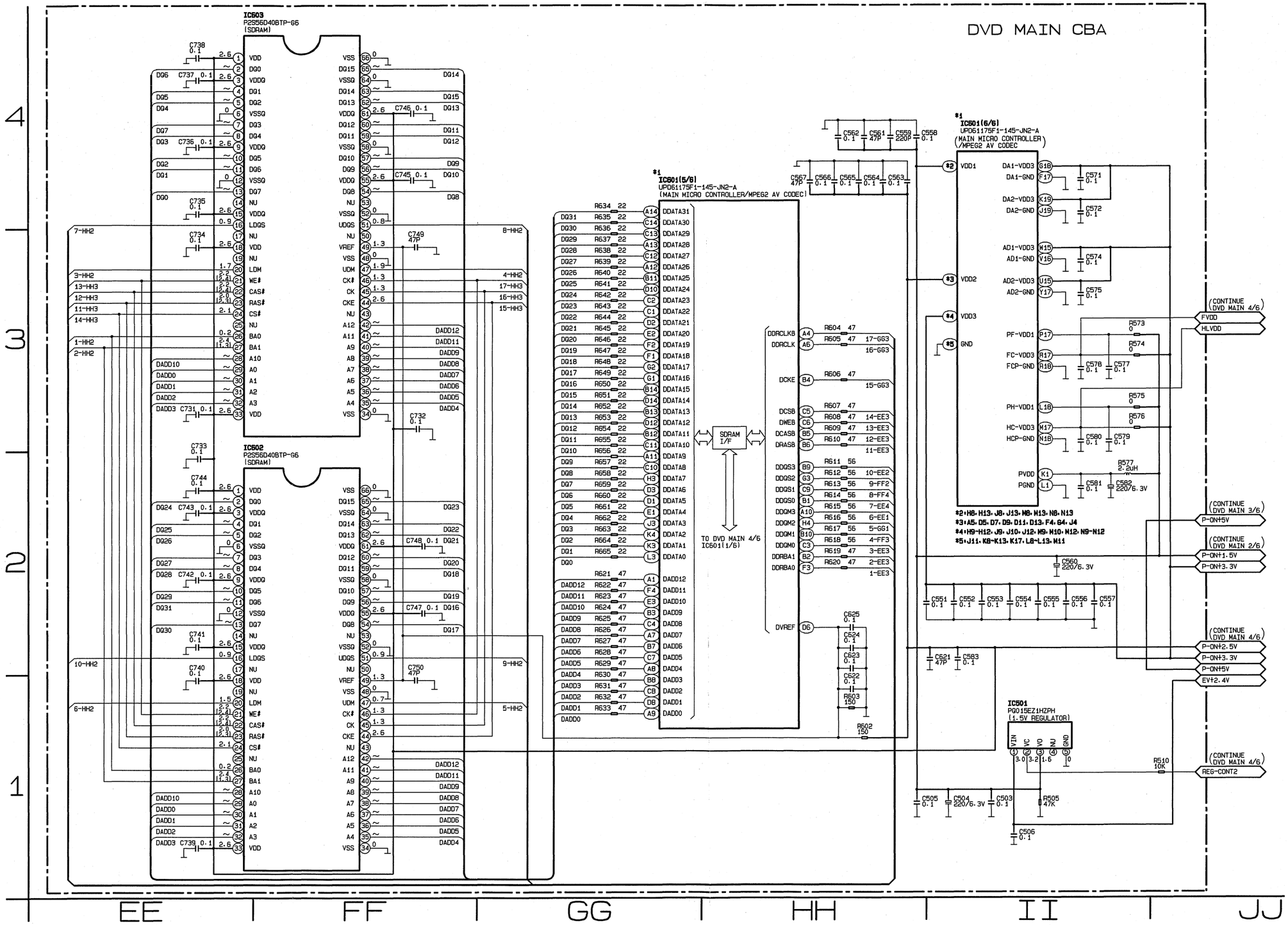


E68C1SCD5

DVD Main 6/6 Schematic Diagram

NOTE:

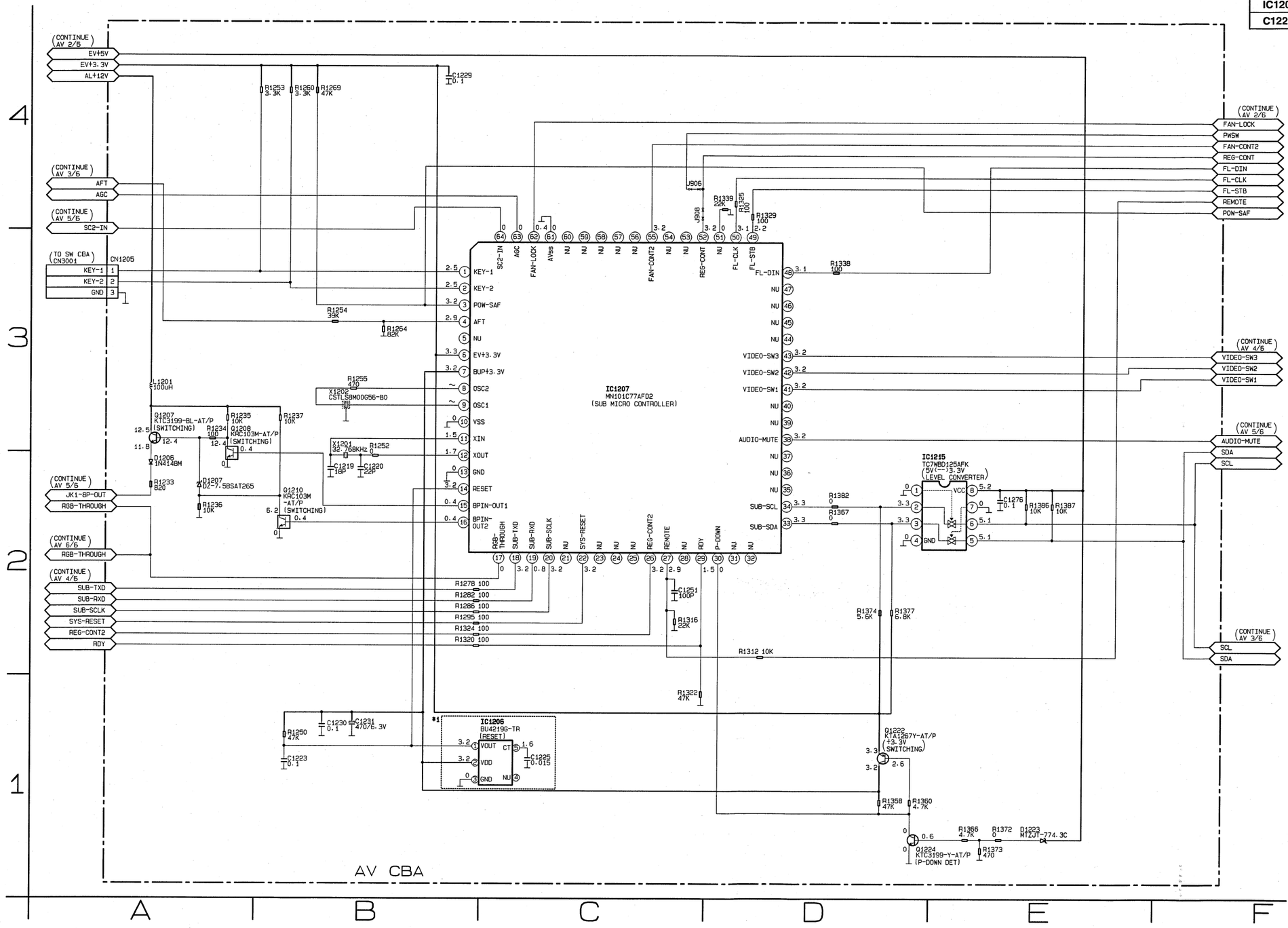
1. The order of pins shown in this diagram is different from that of actual IC601.
2. IC601 is divided into six and shown as IC601 (1/6) ~ IC601 (6/6) in this DVD Main Schematic Diagram Section.



AV 1/6 Schematic Diagram

***1 NOTE**
These components (IC1206, C1225) can be used in any models. However, you cannot mix components under Group A with the ones under Group B. You can choose either Group. The difference between Group A and Group B is shown below.

	Group A	Group B
IC1206	BU4219G-TR	PST3619NR
C1225	0.015	0.1

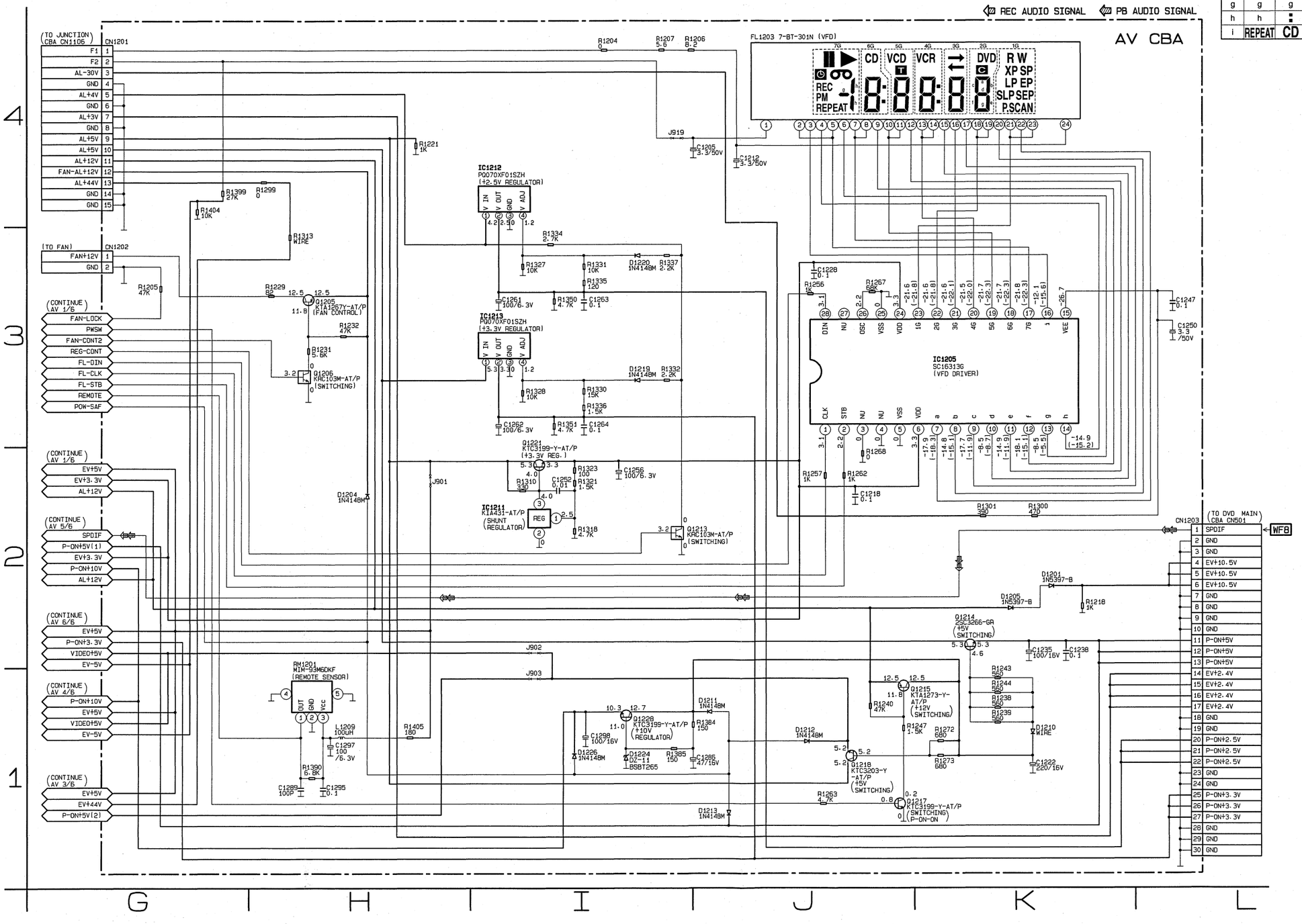


E68C1SCAV1

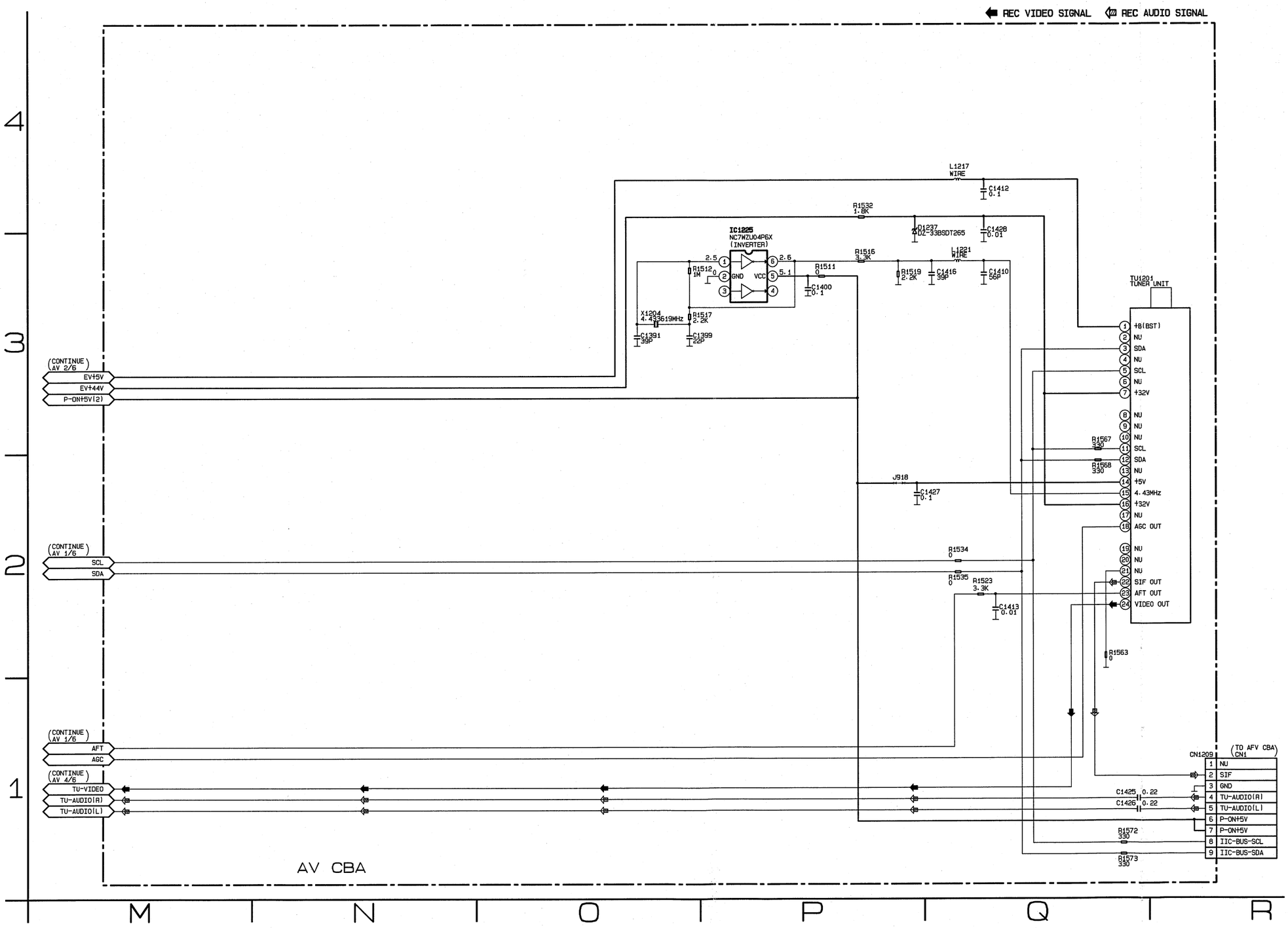
AV 2/6 Schematic Diagram

FL1203 MATRIX CHART

	7G	6G	5G	4G	3G	2G	1G
a	▶	a	a	a	a	a	XP
b	❚❚	b	b	b	b	b	SP
c	◷	c	c	c	c	c	LP
d	∞	d	d	d	d	d	EP
e	REC	e	e	e	e	e	SLP
f	PM	f	f	f	f	f	SEP
g	g	g	g	g	g	g	P.SCAN
h	h	⋮	T	⋮	→	C	W
i	REPEAT	CD	VCD	VCR	←	DVD	R

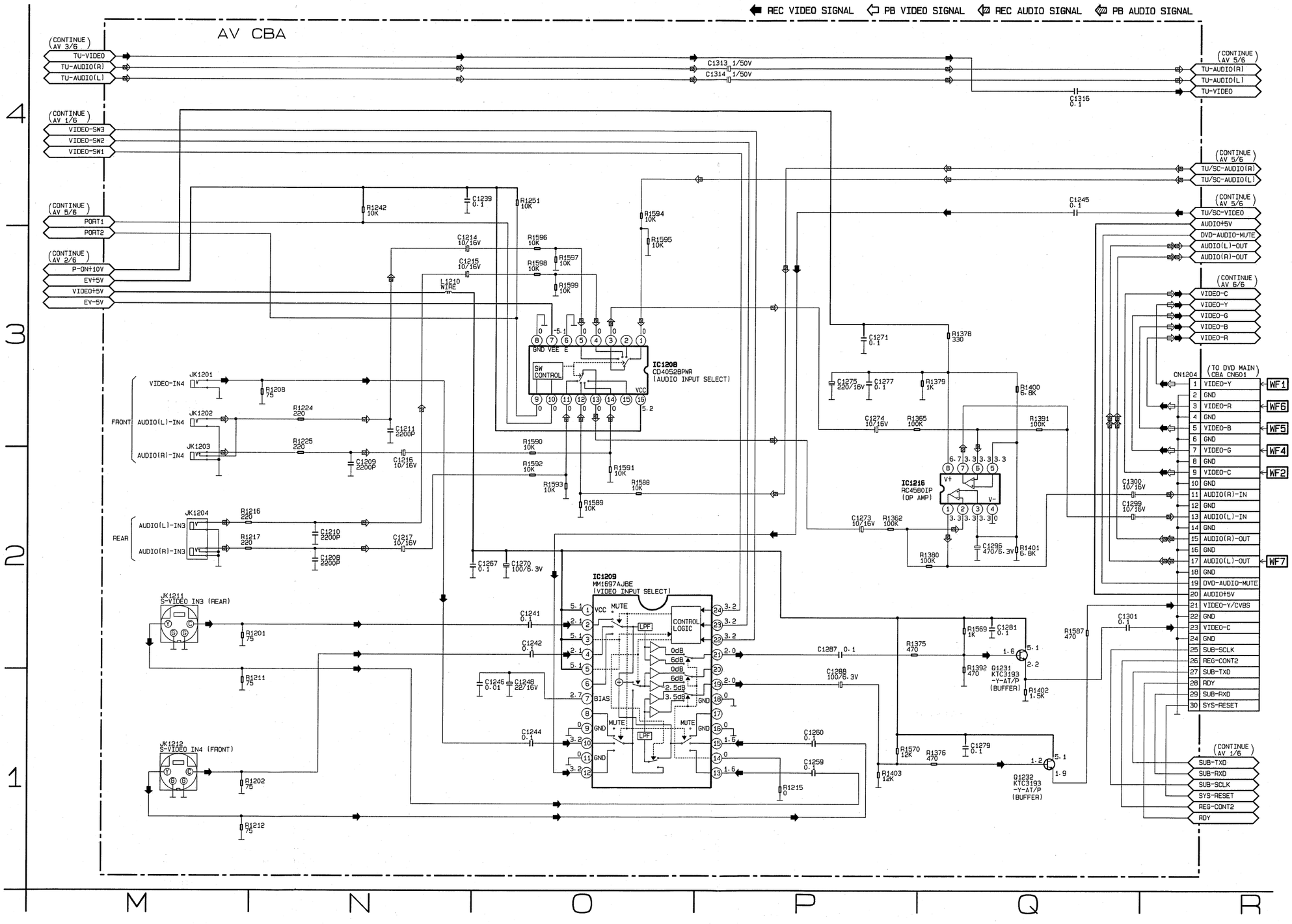


AV 3/6 Schematic Diagram



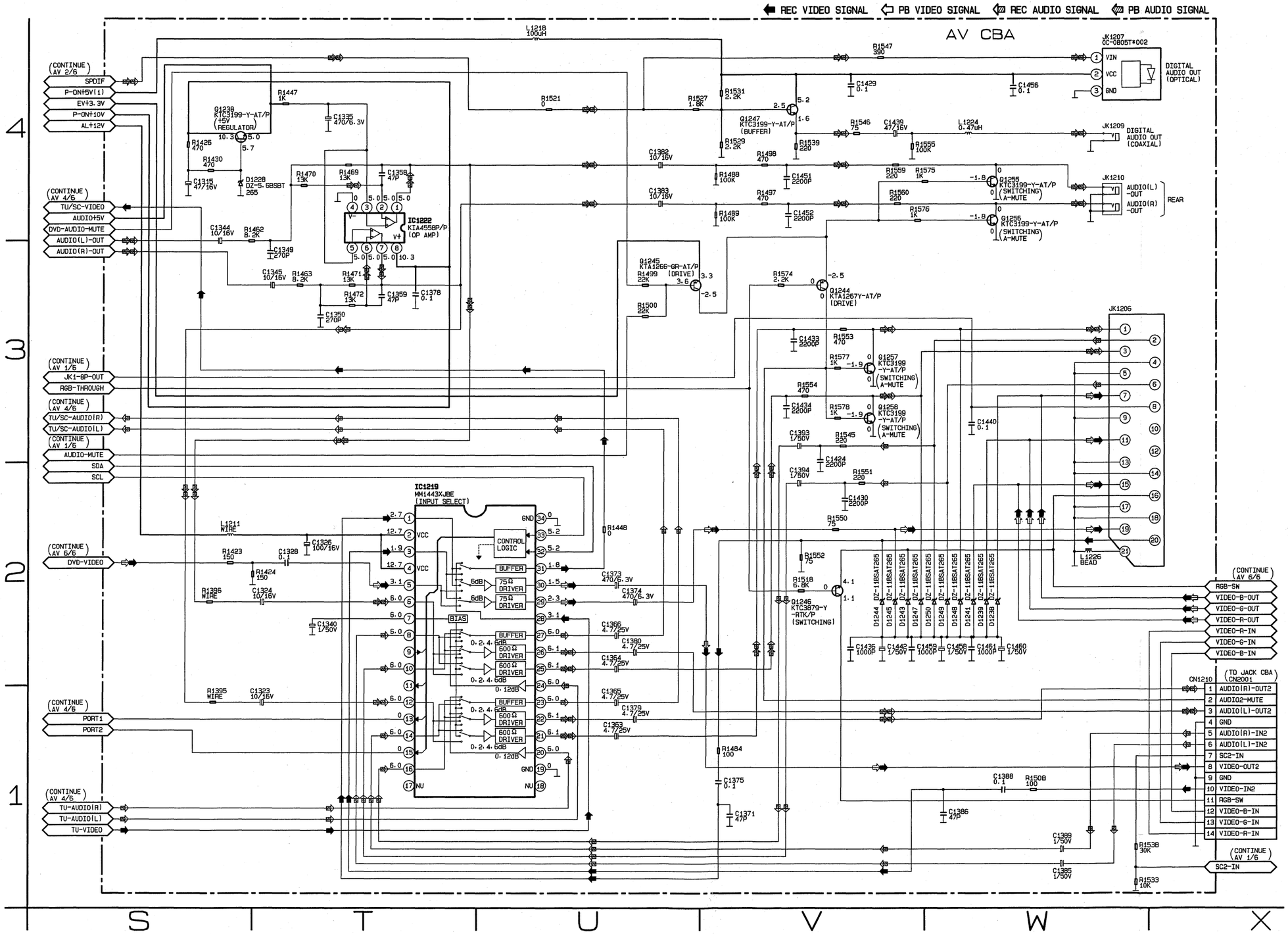
E68C1SCAV3

AV 4/6 Schematic Diagram



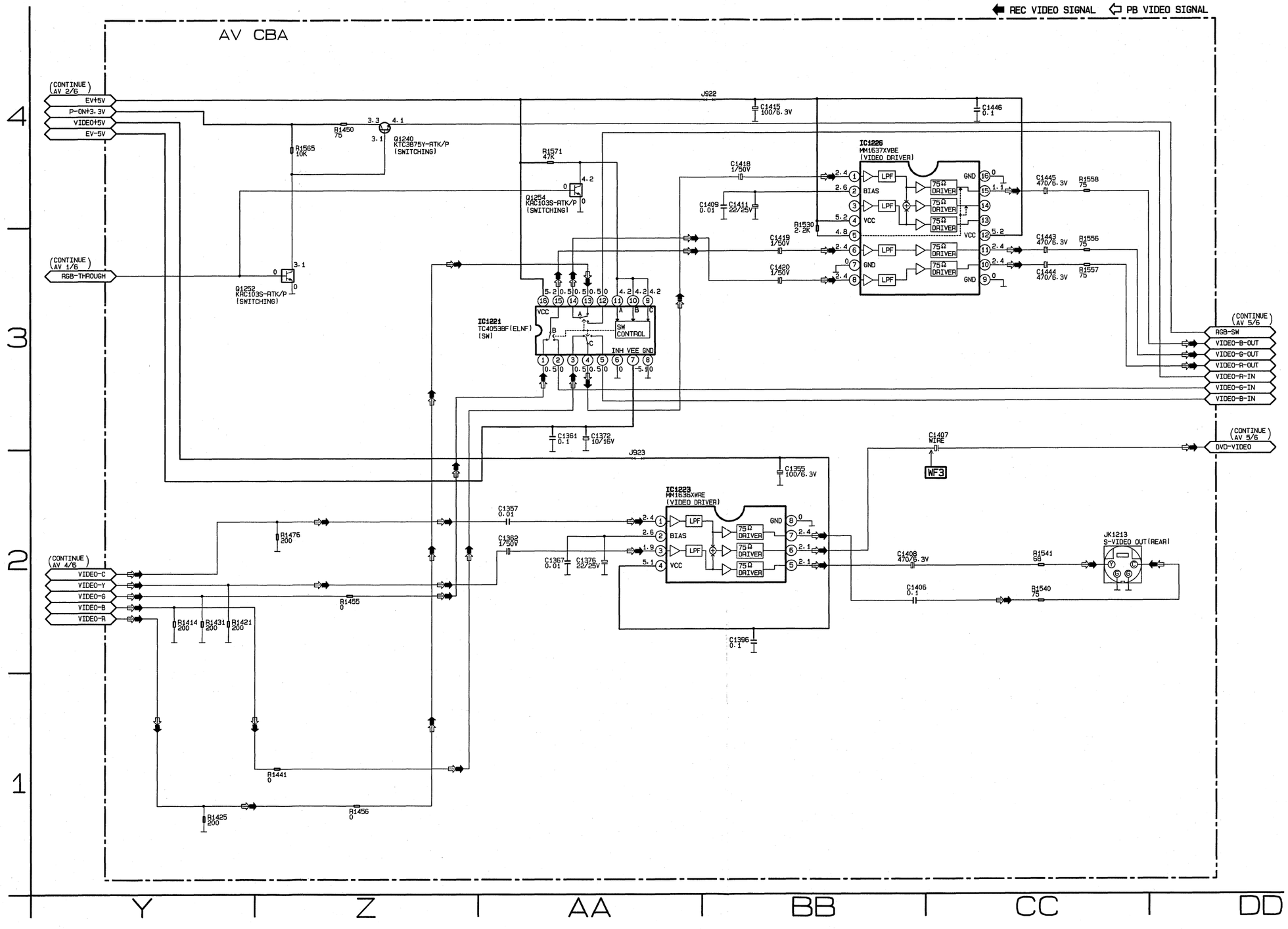
E68C1SCAV4

AV 5/6 Schematic Diagram



E68C1SCAV5

AV 6/6 Schematic Diagram



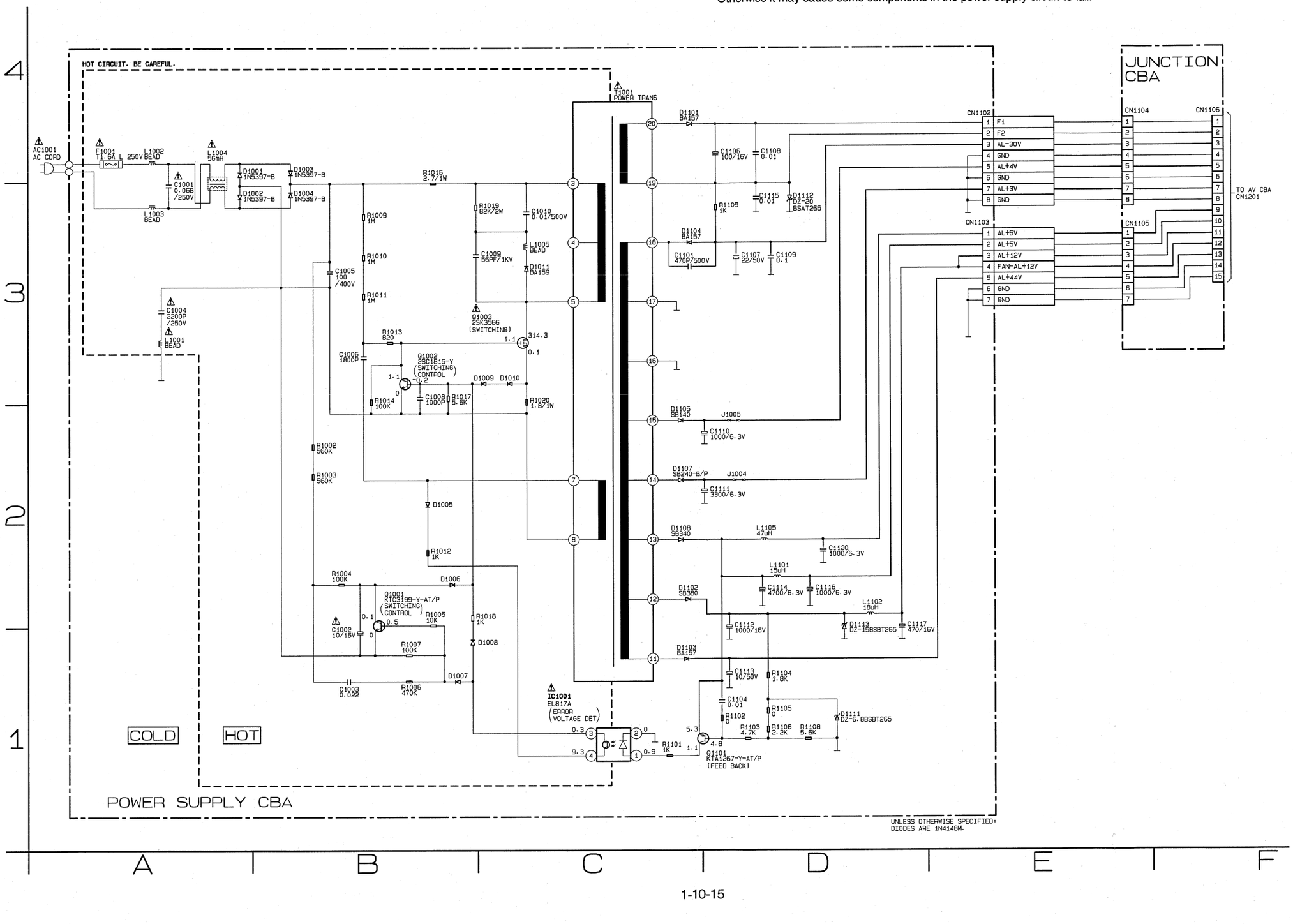
E68C1SCAV6

Power supply & Junction Schematic Diagram

CAUTION !
For continued protection against fire hazard, replace only with the same type fuse.

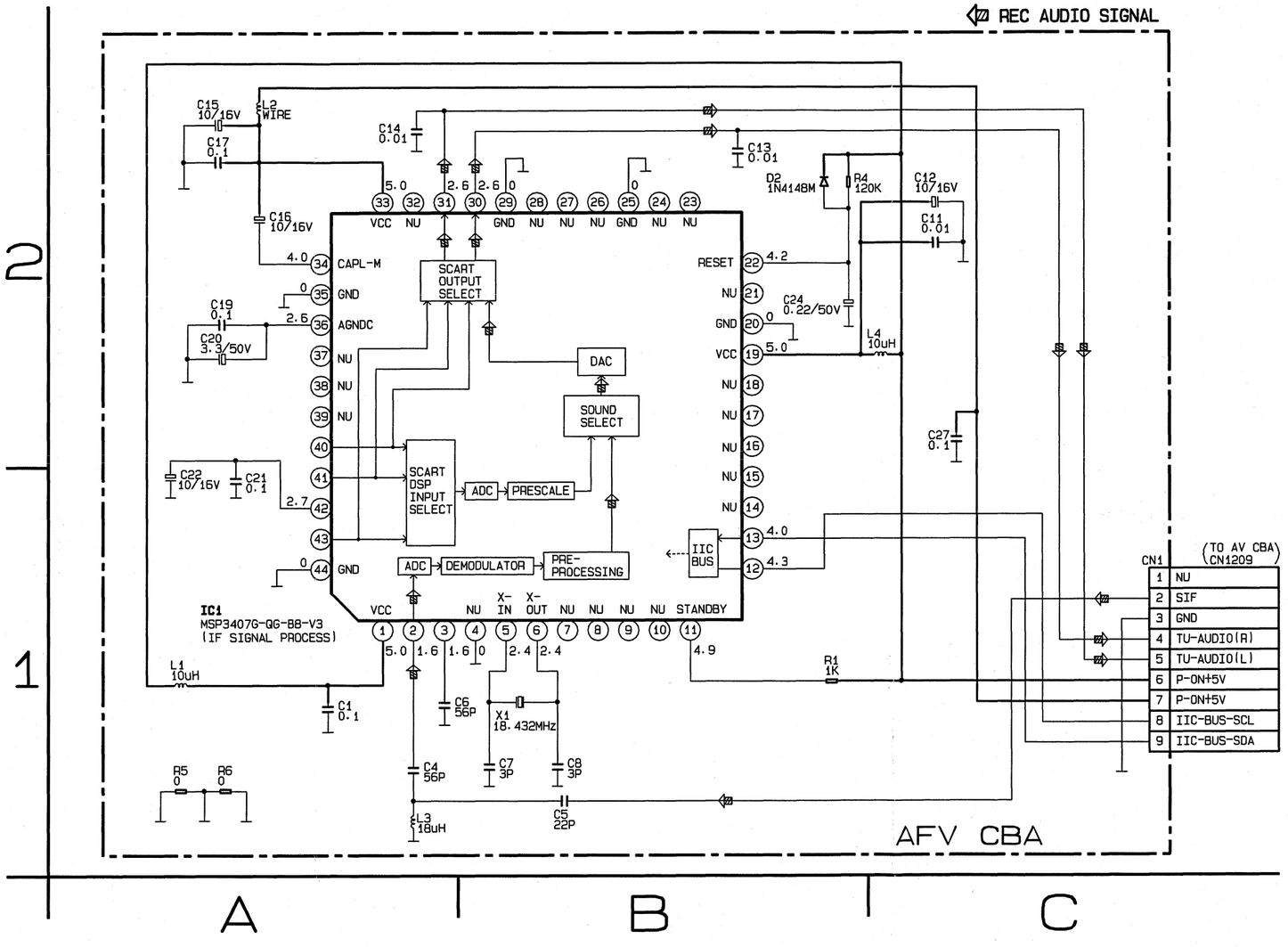
NOTE:
The voltage for parts in hot circuit is measured using hot GND as a common terminal.

CAUTION !
Fixed voltage (or Auto voltage selectable) power supply circuit is used in this unit.
If Main Fuse (F1001) is blown , check to see that all components in the power supply circuit are not defective before you connect the AC plug to the AC power supply.
Otherwise it may cause some components in the power supply circuit to fail.

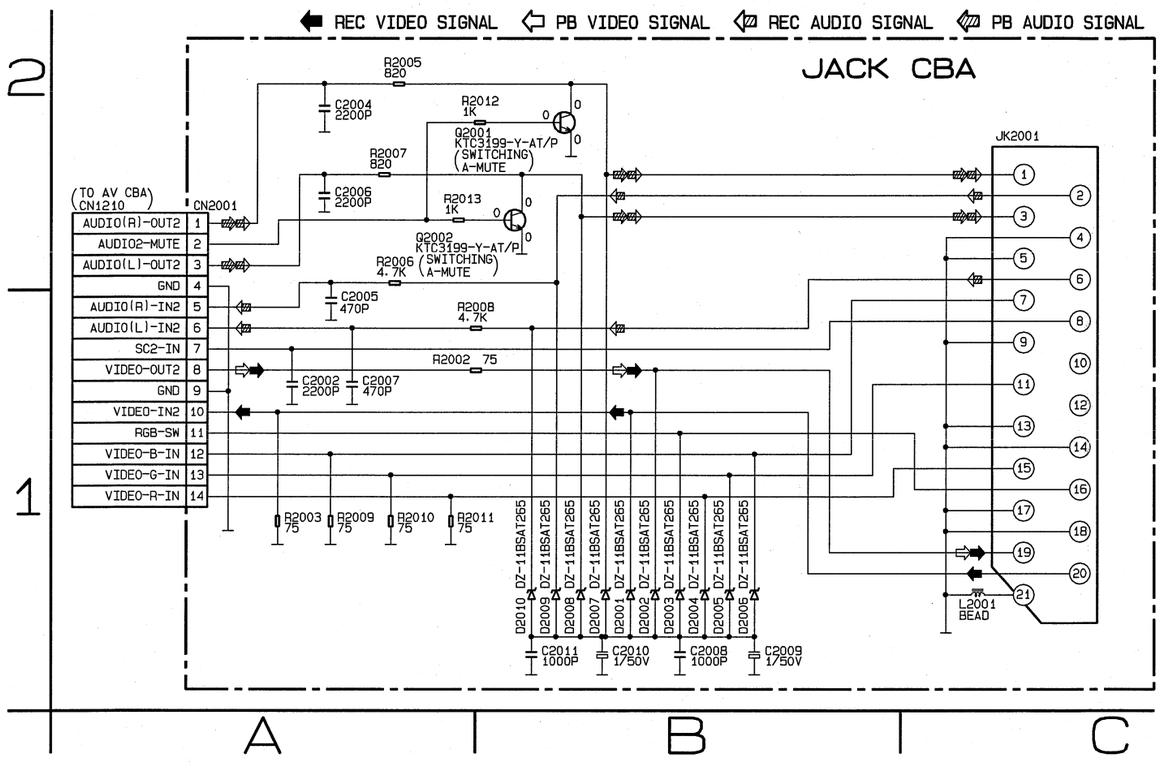


E68C1SCP

AFV Schematic Diagram

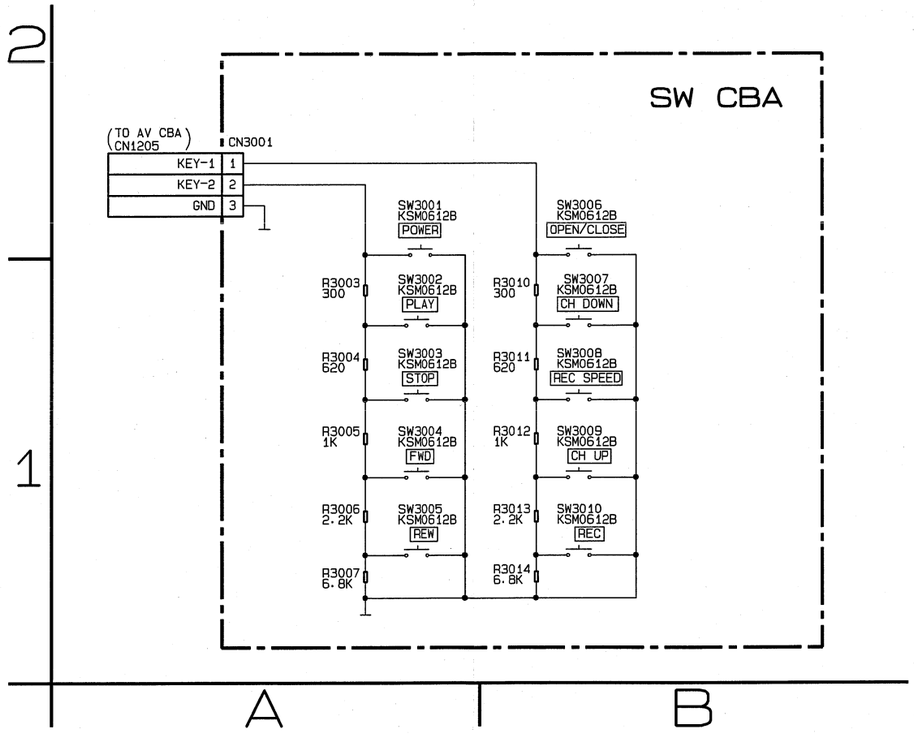


Jack Schematic Diagram



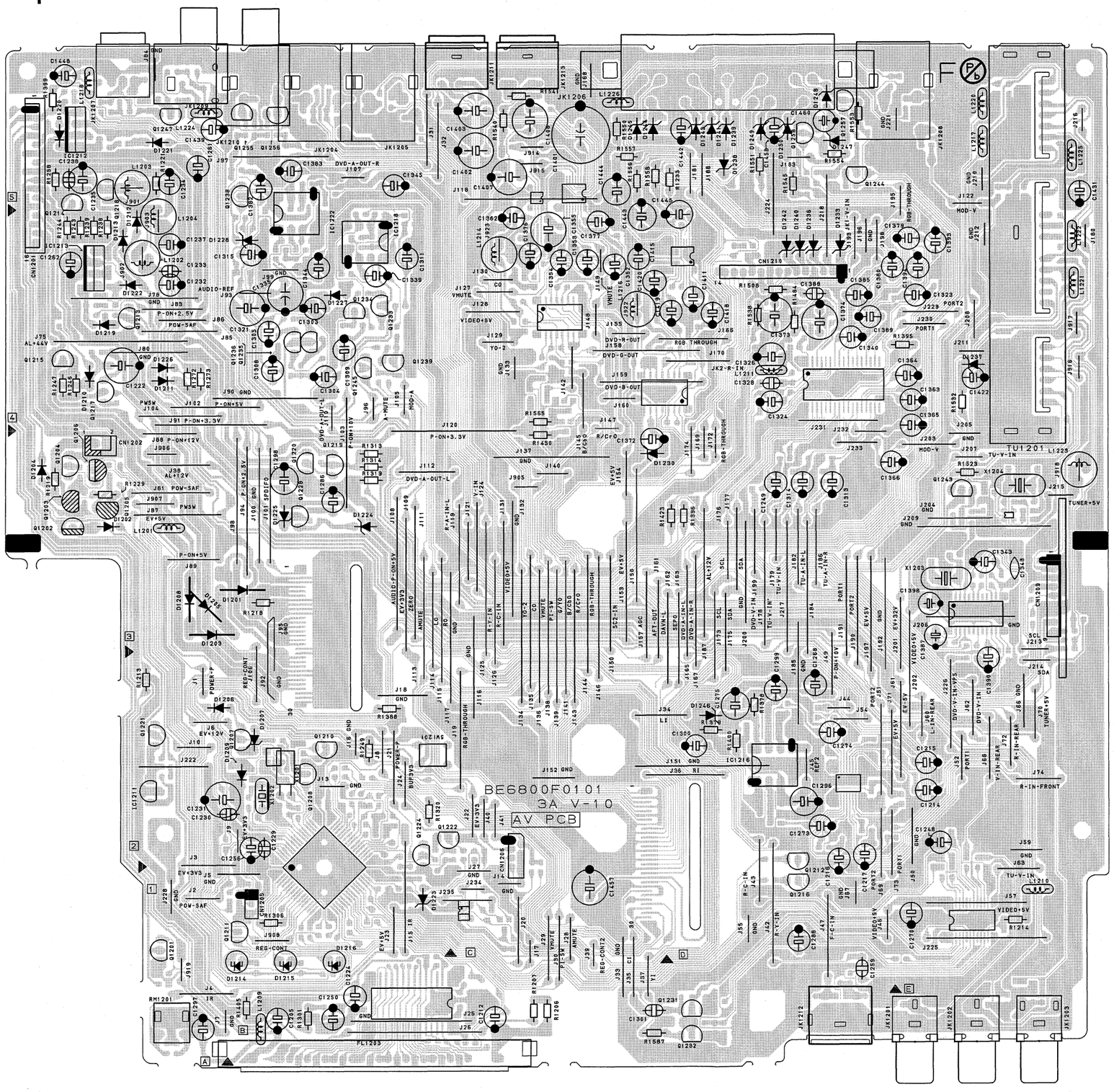
E68C1SCJ

SW Schematic Diagram

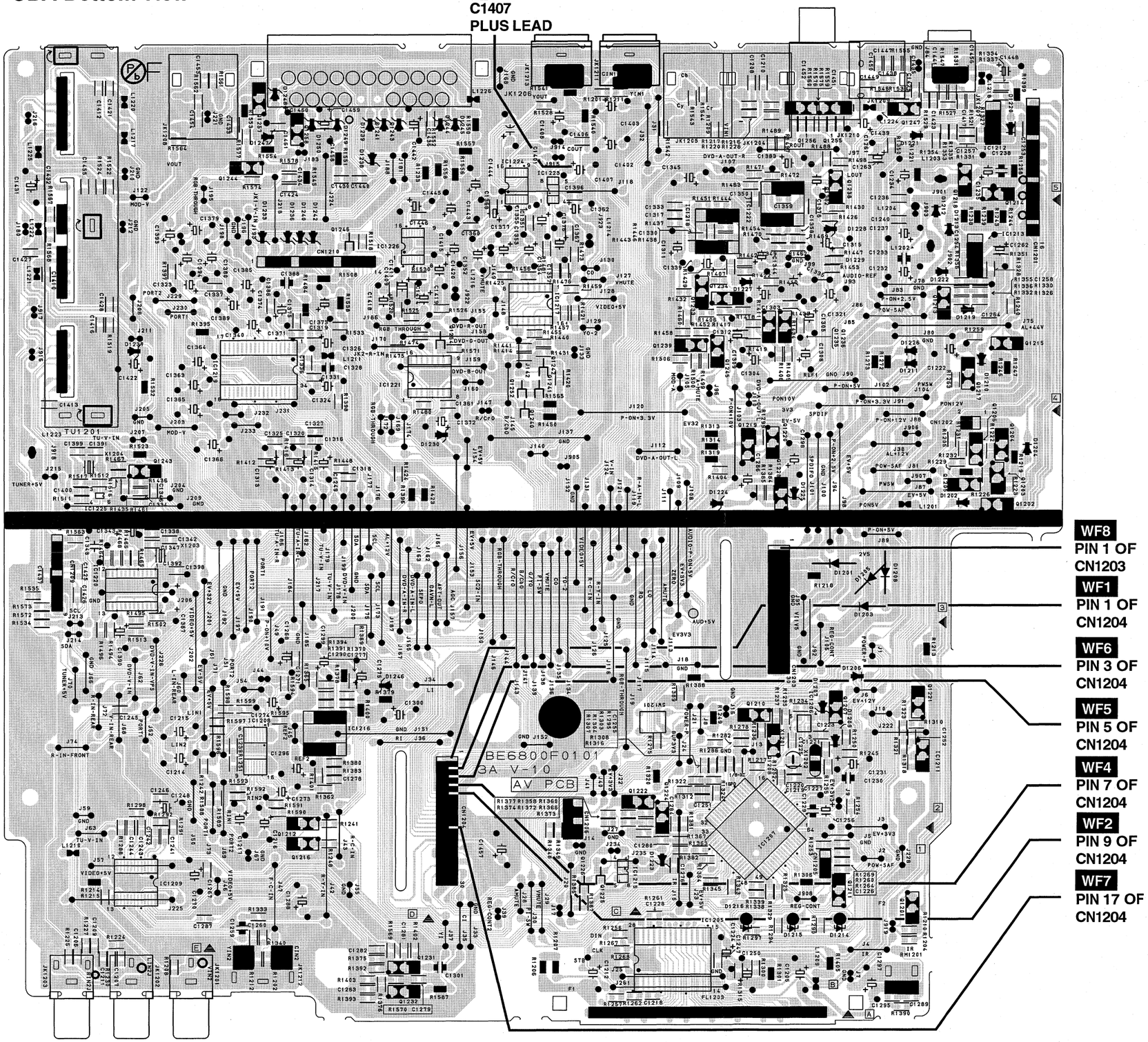


E68C1SCSW

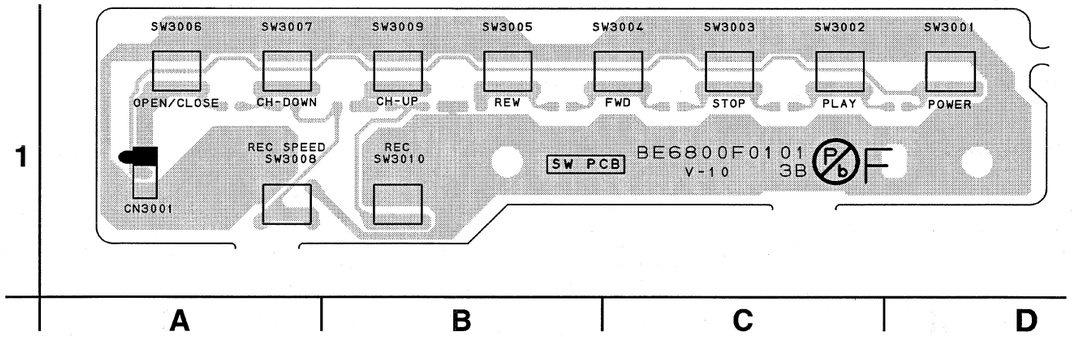
AV CBA Top View



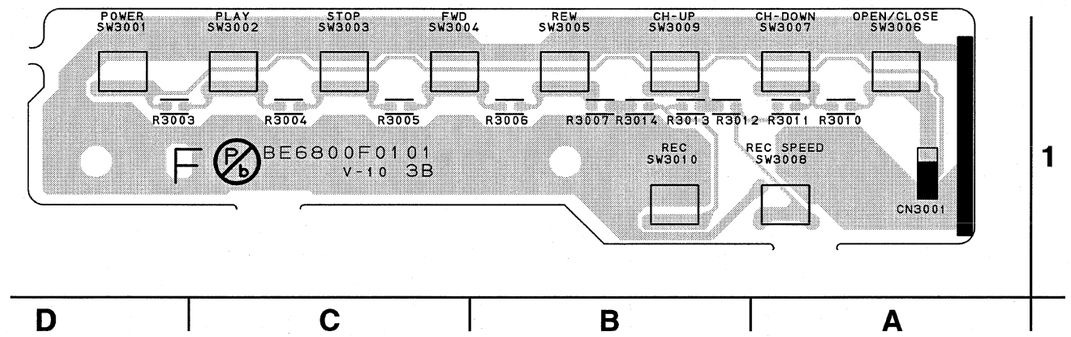
AV CBA Bottom View



SW CBA Top View

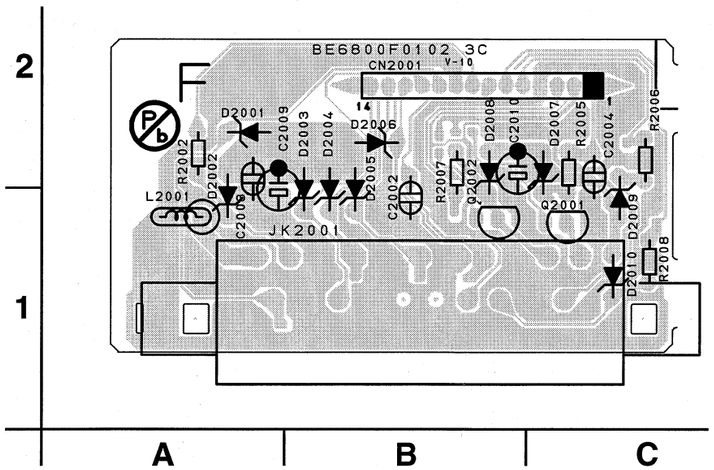


SW CBA Bottom View

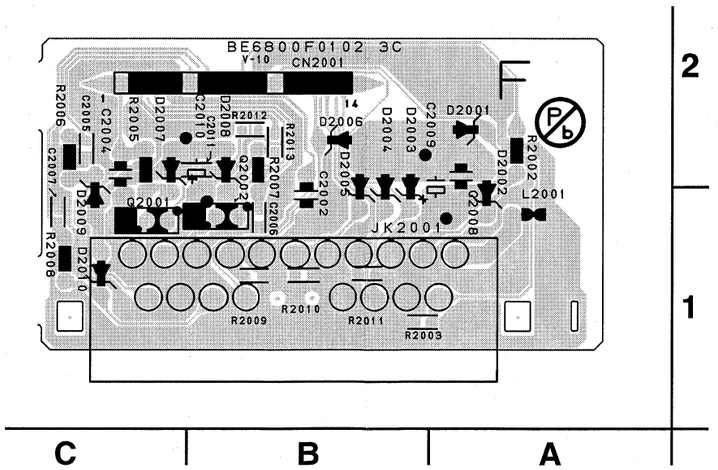


BE6800F01013B

Jack CBA Top View



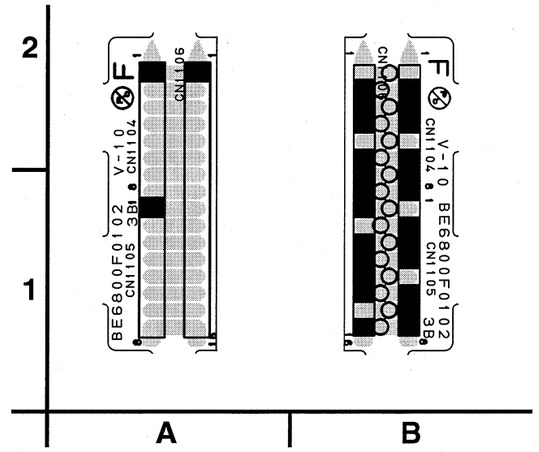
Jack CBA Bottom View



BE6800F01023C

Junction CBA Top View

Junction CBA Bottom View



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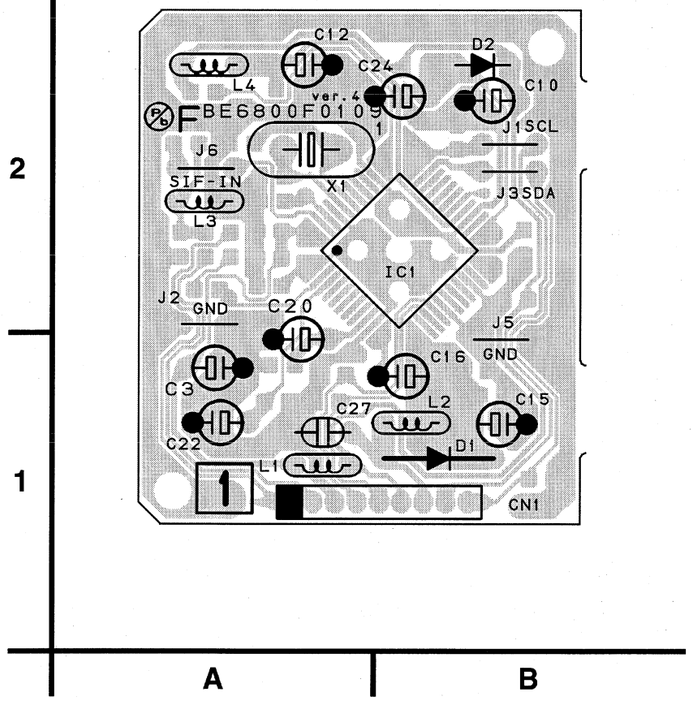
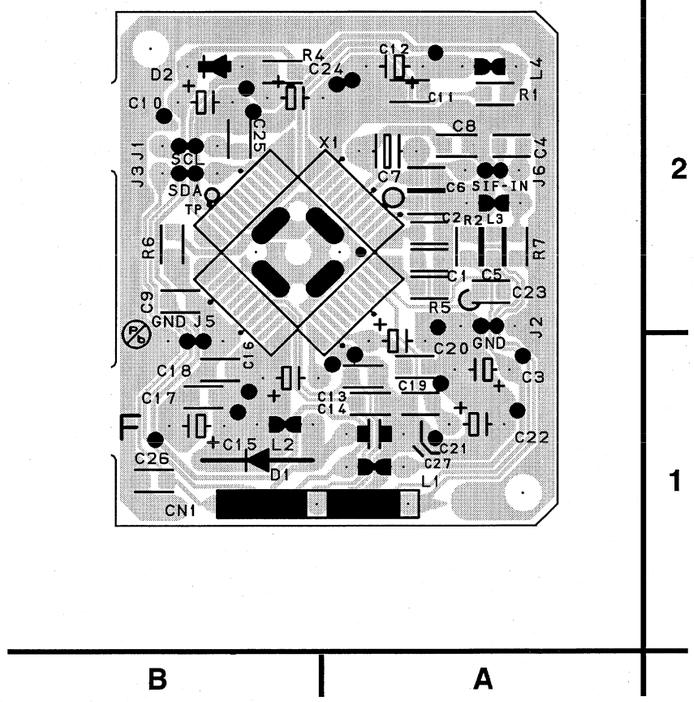
AFV CBA Top View



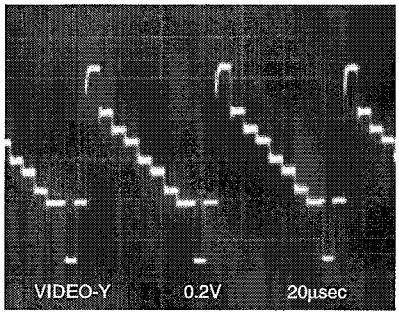
AFV CBA Bottom View



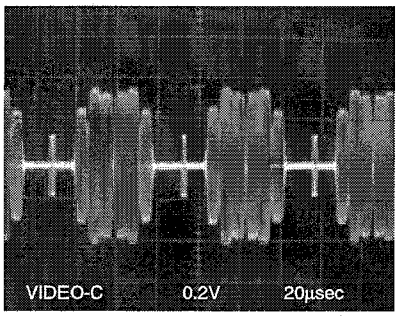
WAVEFORMS

NOTE:
Input: COLOR BAR SIGNAL
(WITH 1KHz AUDIO SIGNAL)

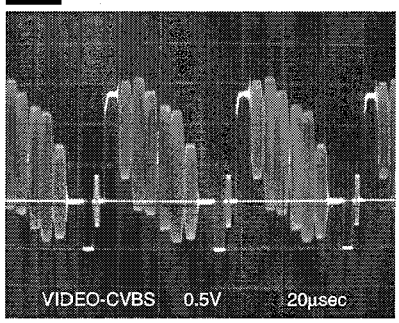
WF1 Pin 1 of CN1204



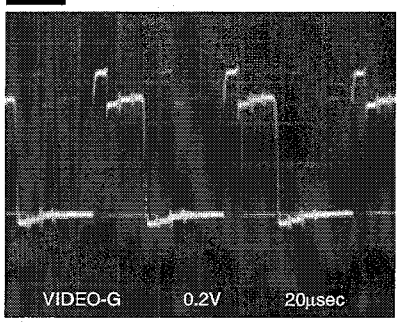
WF2 Pin 9 of CN1204



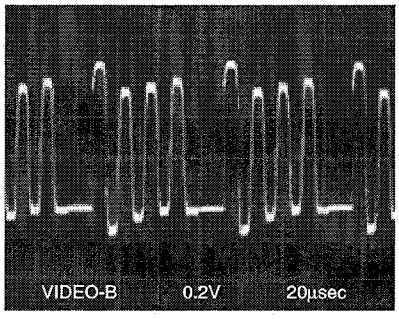
WF3 C1407 PLUS LEAD



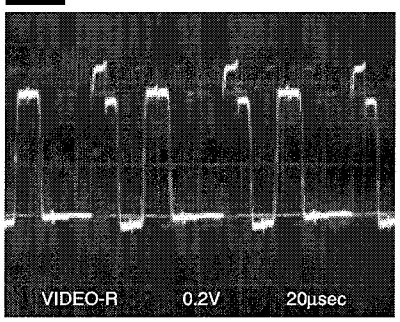
WF4 Pin 7 of CN1204



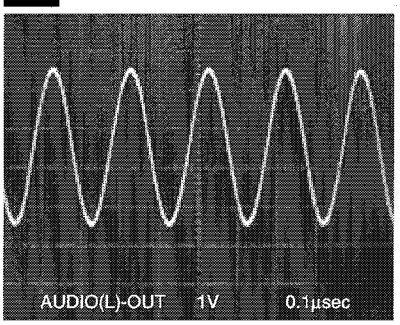
WF5 Pin 5 of CN1204



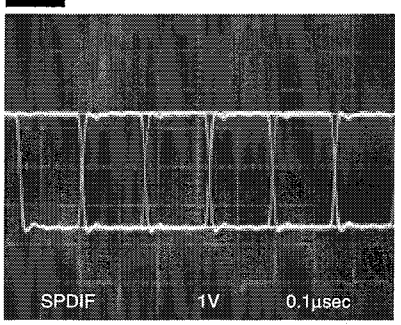
WF6 Pin 3 of CN1204



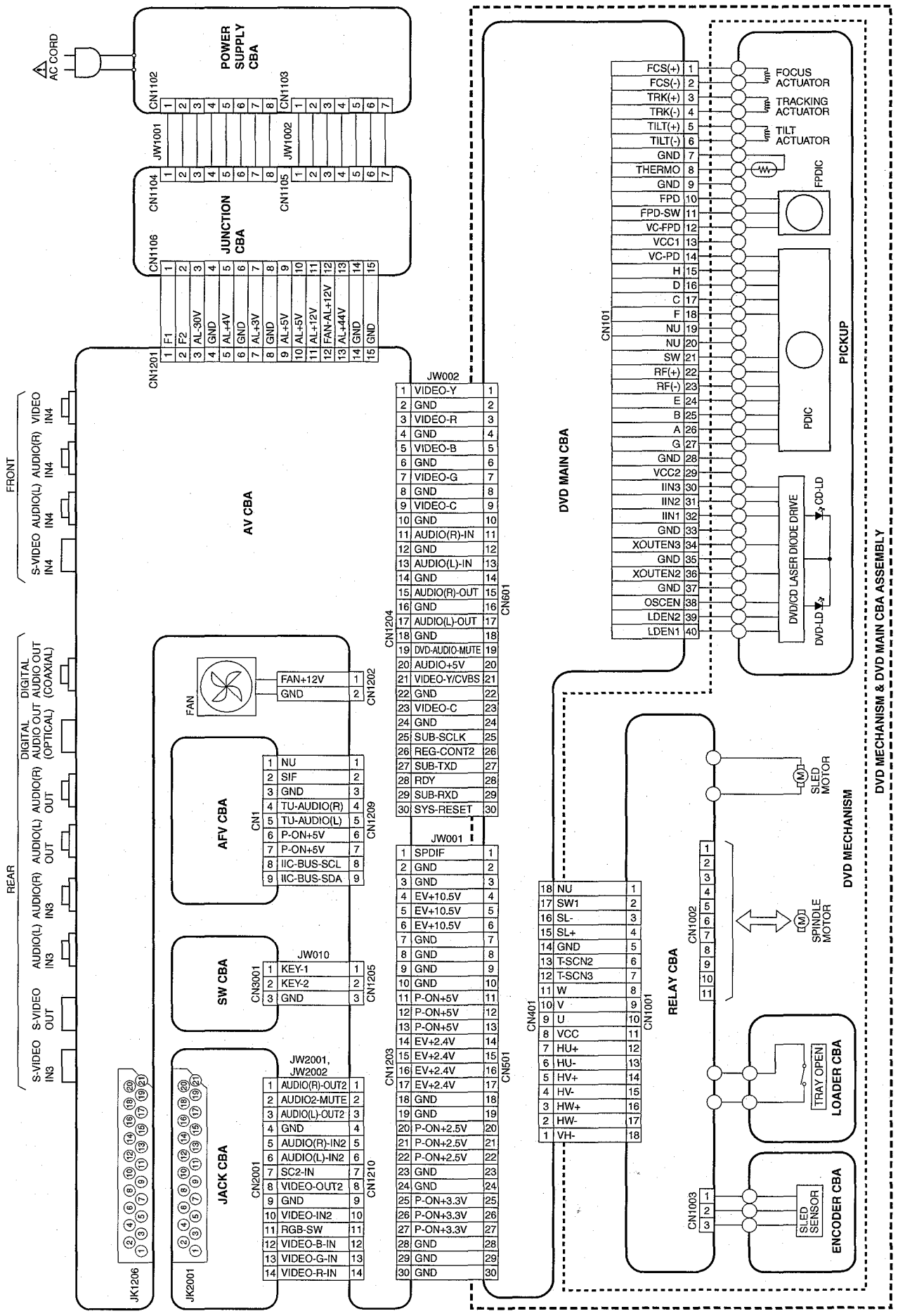
WF7 Pin 17 of CN1204



WF8 Pin 1 of CN1203



WIRING DIAGRAM



IC PIN FUNCTION DESCRIPTIONS

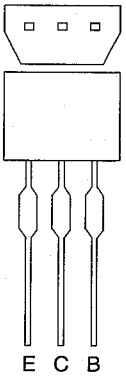
IC1207 (Sub Micon)

Pin No.	IN/ OUT	Signal Name	Function
1	IN	KEY-1	Key Data Input 1
2	IN	KEY-2	Key Data Input 2
3	IN	POW-SAF	Abnormal Voltage Detection
4	IN	AFT	Tuner Voltage Input Signal
5	-	NU	Not Used
6	IN	EV+3.3V	+3.3V Power Supply
7	IN	BUP+3.3V	+3.3V Power Supply
8	OUT	OSC2	Main Clock Output
9	IN	OSC1	Main Clock Input
10	-	VSS	Ground
11	IN	XIN	Sub Clock Input
12	OUT	XOUT	Sub Clock Output
13	-	GND	Ground
14	IN	RESET	Sub Micro Controller Reset Signal
15	OUT	8POUT-1	Control SCART 1 8Pin Level by using 8POUT-1 and 8POUT-2
16	OUT	8POUT-2	Control SCART 1 8Pin Level by using 8POUT-1 and 8POUT-2
17	OUT	RGB-THROUGH	SCART 2 RGB Through Control Signal
18	OUT	SUB-TXD	Transmission Data to Main Micro Controller
19	IN	SUB-RXD	Reception Data from Main Micro Controller
20	OUT	SUB-SCLK	Communication Clock with Main Micro Controller
21	-	NU	Not Used
22	OUT	SYS-RESET	System Reset Signal
23	-	NU	Not Used
24	-	NU	Not Used
25	-	NU	Not Used
26	OUT	REG-CONT2	Power Regulator Control Signal
27	IN	REMOTE	Remote Signal Input
28	-	NU	Not Used
29	IN	RDY	Ready/Busy communication Control with Main Micro Controller
30	IN	P-DOWN	Power Voltage Down Detector Signal
31	-	NU	Not Used
32	-	NU	Not Used
33	IN/ OUT	SUB-SDA	Serial Data
34	OUT	SUB-SCL	Serial Clock
35	-	NU	Not Used
36	-	NU	Not Used
37	-	NU	Not Used
38	OUT	AUDIO-MUTE	Audio Mute Control Signal
39	-	NU	Not Used
40	-	NU	Not Used
41	OUT	VIDEO-SW1	Video Input Select Signal
42	OUT	VIDEO-SW2	Video Input Select Signal
43	OUT	VIDEO-SW3	Video Input Select Signal
44	-	NU	Not Used
45	-	NU	Not Used
46	-	NU	Not Used
47	-	NU	Not Used
48	OUT	FL-DIN	Serial Data
49	OUT	FL-STB	Serial Interface Strobe
50	OUT	FL-CLK	Serial Clock
51	-	NU	Not Used
52	OUT	REG-CONT	Power Regulator Control Signal
53	-	NU	Not Used
54	-	NU	Not Used
55	OUT	FAN-CONT2	Fan Motor Control Signal
56	-	NU	Not Used
57	-	NU	Not Used
58	-	NU	Not Used
59	-	NU	Not Used
60	-	NU	Not Used
61	-	AVss	AVSS (GND)
62	IN	FAN-LOCK	Fan Motor Lock Detection
63	IN	AGC	IF AGC Comparator Signal
64	IN	SC2-IN	Input Signal from Pin 8 of SCART2

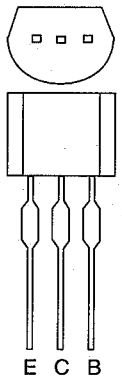
IC1205 (VFD DRIVER)

Pin No.	IN/ OUT	Signal Name	Function
1	IN	CLK	Serial Clock
2	IN	STB	Serial Interface Strobe
3	-	NU	Not Used
4	-	NU	Not Used
5	-	VSS	GND
6	-	VDD	Power Supply
7	OUT	a	Segment Output
8		b	
9		c	
10		d	
11		e	
12		f	
13		g	
14		h	
15	-	VEE	Pull Down Level
16	OUT	i	Segment Output
17	OUT	7G	Grid Output
18		6G	
19		5G	
20		4G	
21		3G	
22		2G	
23		1G	
24	-	VDD	Power Supply
25	-	VSS	GND
26	IN	OSC	Oscillator Input
27	-	NU	Not Used
28	IN	DIN	Serial Data Input

LEAD IDENTIFICATIONS

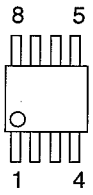


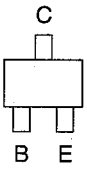
2SA1175(F,H,J)
2SC2785(F,H,J)
BA1F4M-T
KRC103M-AT/P
KRC103M
KTA1267(GR,Y)
KTC3199(BL,GR,Y)
KTA1267-GR-AT/P
KTA1267Y-AT/P
KTC3199-(BL,GR,Y)-AT/P
KTC3193(Y)
KTC3193-Y-AT/P
KTA1273(Y)
KTA1273-Y-AT/P
KTA1266(GR)
KTA-1266-GR-AT/P



2SC1815-BL(TPE2)
2SC1815-GR(TPE2)
2SC1815-BL(TE2 F T)
2SC1815-GR(TE2 F T)
2SC1815-Y(TE2 F T)
2SC1815-Y(TPE2)
2SC2120-Y(TPE2)
2SC2120-Y(TE2 F T)
2SC3266-(GR,Y)(TPE2 F)
2SC3266-(GR,Y)(TPE2)
KTC3266-GR-AT/P
KTC3266-Y-AT/P
KTC3203(Y)
KTC3203-Y-AT/P
2SA966(Y)
2SA966-Y(TE6 F M)
2SA1015-GR(TE2 F T)
2SA1015-GR(TPE2)

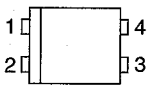
KIA4558P/P
RC4580IP
TC7WBD125AFK





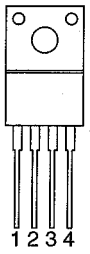
FA1F4M-T1B
KRC103S RTK
KRC103S-RTK/P
KTC3875Y-RTK
KTC3875Y-RTK/P
KTC3879-Y-RTK/P
KTC3879Y-RTK

EL817A
EL817B
PS2561A-1(Q,W)
LTV-817B-F



1: A
2: K
3: E
4: C

PQ070XF01SZ
PQ070XF01SZH



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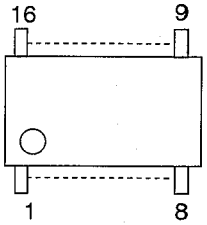
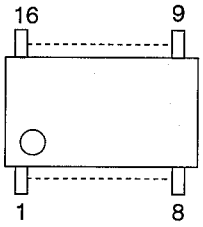


CD4052BPWR



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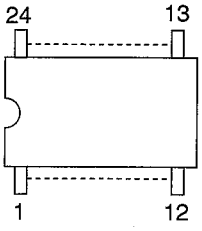
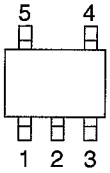
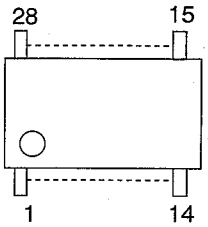


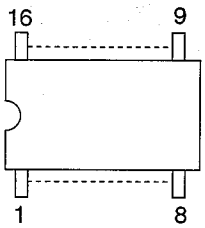
BU4219G-TR
R3112N191A-TR-(FA,FB)
IC-PST3619NR



PT6313-S-TP(L)
SC16313G



TC4053BF(EL N F)
CD4053BCSJX
CD4053BNSR
TC4053BF(N)



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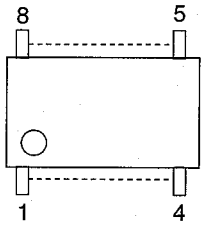
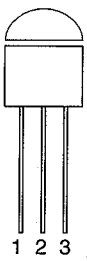
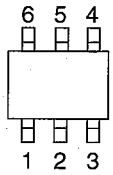


KIA431-AT/P

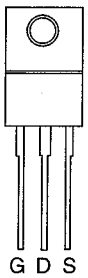


1: R
2: A
3: K

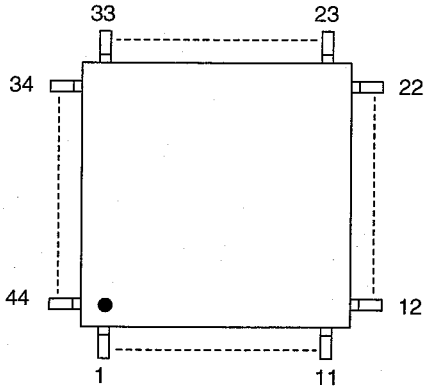
NC7WZU04P6X



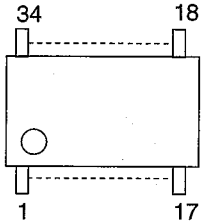
2SK3566



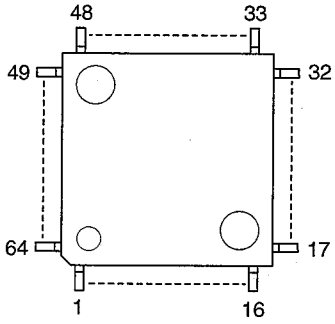
MSP3407G-QG-B8-V3



MM1443XJBE



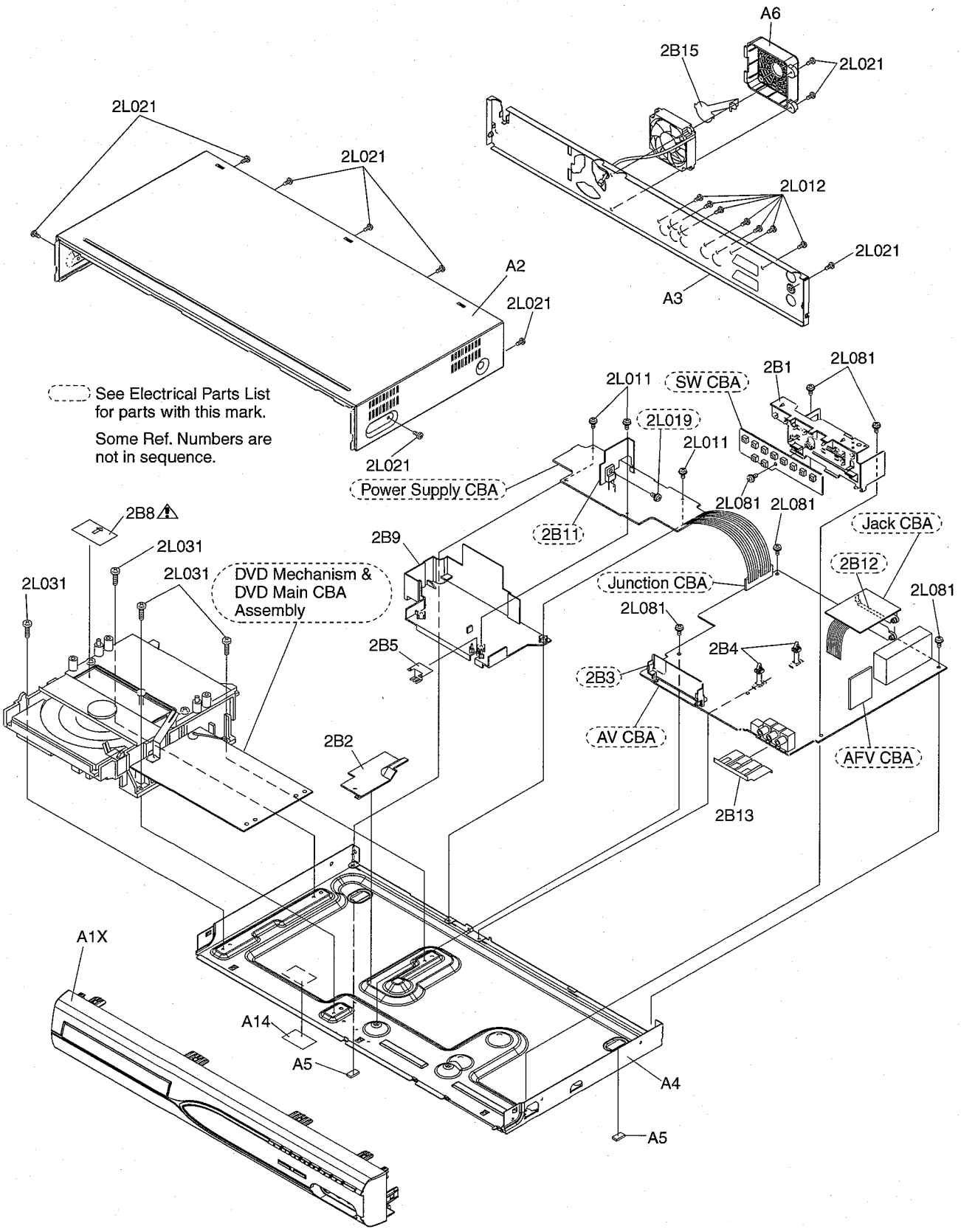
MN101C77A FD1
MN101C77A FD2



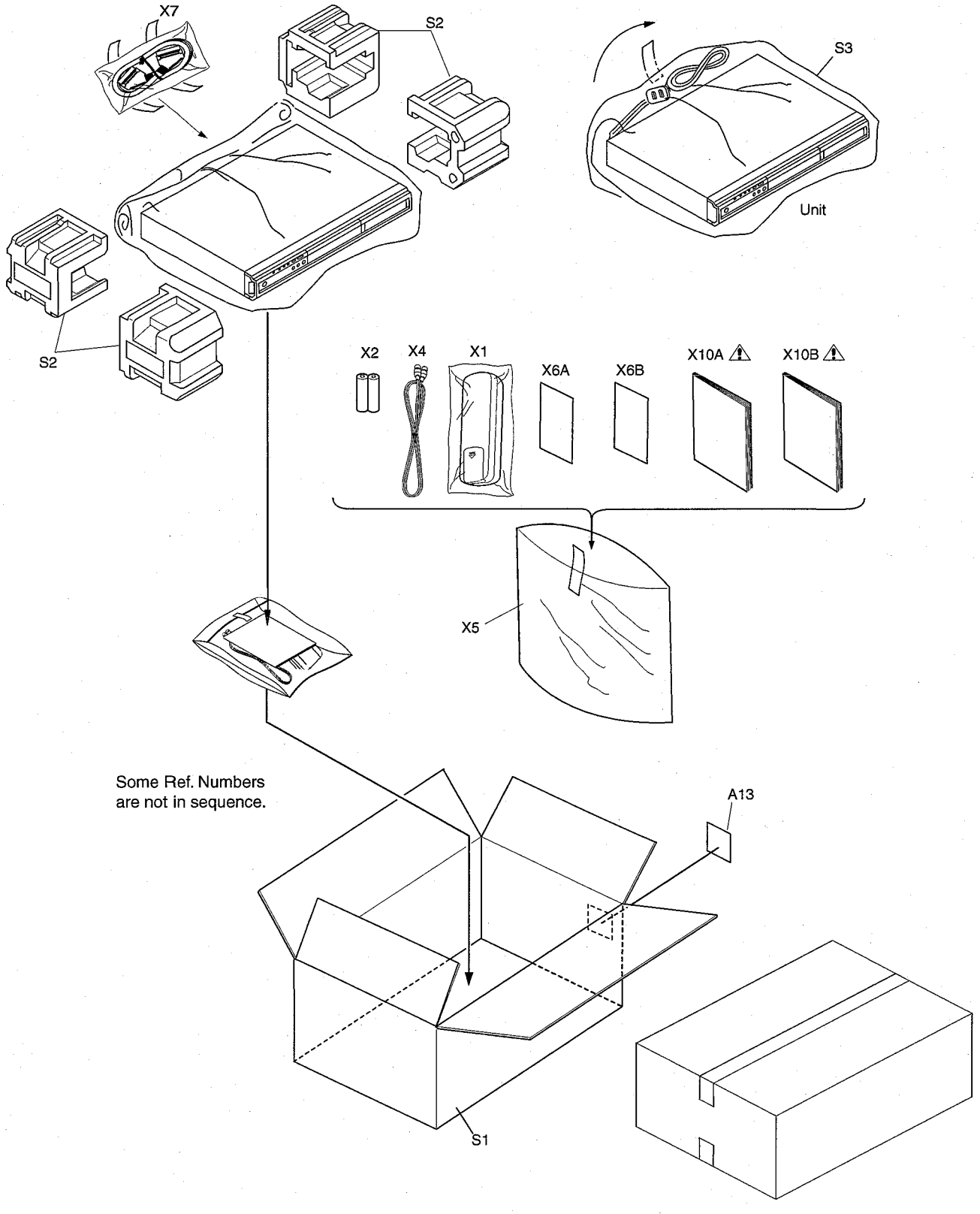
Note:
A: Anode
K: Cathode
E: Emitter
C: Collector
B: Base
R: Reference
S: Source
G: Gate
D: Drain

EXPLODED VIEWS

Cabinet



Packing


X7
S2
S3
Unit
S2
X2
X4
X1
X6A
X6B
X10A ⚠
X10B ⚠
X5
Some Ref. Numbers
are not in sequence.
A13
S1

MECHANICAL PARTS LIST

PRODUCT SAFETY NOTE: Products marked with a ⚠ have special characteristics important to safety. Before replacing any of these components, read carefully the product safety notice in this service manual. Don't degrade the safety of the product through improper servicing.

NOTE: Parts that are not assigned part numbers (---------) are not available.

Ref. No.	Description	Part No.
A1X	FRONT ASSEMBLY E68C7ED	1VM220428
A2	TOP COVER E6700UD	1VM120049
A3	REAR PANEL E68C1ED	1VM221203
A4	CHASSIS E6700ED	1VM120045
A5	FOOT K7010UA	0VM403657A
A6	FAN COVER E6800ED	1VM220260
A13	BARCODE LABEL UNFIGURE E9704ED or	---------
	BARCODE LABEL E68C1ED	--------
A14	LABEL(C) E6700UD	--------
2B1	PCB HOLDER E6700UD	1VM220245
2B2	CABLE COVER E6700UD	1VM420969
2B4	LOCKING CARD SPACER KGLS-12S	XP0U024WD004
2B5	POWER EARTH PLATE E6800ED	1VM420990
2B8⚠	CAUTION LABEL(PAL) E6800ED	---------
2B9	POWER HOLDER E6800ED	1VM320541
2B13	PLATE GROUND(RCA) E6800ED	1VM320610
2B15	FAN EARTH E6800ED	1VM320812
2L011	SCREW P-TIGHT M3X6 BIND HEAD+ or	GBMP3060
	SCREW P-TIGHT M3X6 BIND HEAD+	GBJP3060
2L012	SCREW B-TIGHT M3X8 BIND HEAD + or	GBKB3080
	SCREW B-TIGHT M3X8 BIND HEAD+	GBHB3080
2L021	SCREW S-TIGHT M3X6 BIND CROM	GBCS3060
2L031	SCREW S-TIGHT M3X10 BIND HEAD+ or	GBMS3100
	SCREW S-TIGHT M3X10 BIND HEAD+	GBJS3100
2L081	SCREW S-TIGHT M3X6 BIND HEAD+ or	GBMS3060
	SCREW S-TIGHT M3X6 BIND HEAD+	GBJS3060
	PACKING	
S1	GIFT BOX CARTON E68C1ED	1VM321518
S2	STYROFORM(UK) E6821BD	1VM220397C
S3	UNIT BAG E5500UD	0VM411683
	ACCESSORIES	
X1	REMOTE CONTROL UNIT E6820ED	NB011ED
X2	DRY BATTERY R6P/2S or	XB0M451T0001
	DRY BATTERY R6UW/2S or	XB0M311MS001
	DRY BATTERY ES-GR6M-C	XB0M571GLP01
X4	RF CORD PAL 1.2M or	WPZ0122LG001
	RF CABLE CC1001020012010	WPZ0122LW001
X5	ACCESSORY BAG E5700UD	0VM415576
X6A	QUICK GUIDE(GE) E68C1ED	1VMN21374
X6B	QUICK GUIDE (EN) E68C1ED	1VMN21421
X7	21P CABLE(BYR SUPPLY) H9300ED	0VMN03276
X10A⚠	OWNERS MANUAL(GE) E68C1ED	1VMN21373
X10B⚠	OWNERS MANUAL (EN) E68C1ED	1VMN21420

ELECTRICAL PARTS LIST

PRODUCT SAFETY NOTE: Products marked with a ⚠ have special characteristics important to safety. Before replacing any of these components, read carefully the product safety notice in this service manual. Don't degrade the safety of the product through improper servicing.

NOTES:

1. Parts that are not assigned part numbers (---------) are not available.
2. Tolerance of Capacitors and Resistors are noted with the following symbols.

C.....±0.25% D.....±0.5% F.....±1%

G.....±2% J.....±5% K.....±10%

M.....±20% N.....±30% Z.....+80/-20%

DVD MECHANISM & DVD MAIN CBA ASSEMBLY

Ref. No.	Description	Part No.
	DVD MECHANISM & DVD MAIN CBA ASSEMBLY	N78G7BEN

AV ASSEMBLY

Ref. No.	Description	Part No.
	AV ASSEMBLY Consists of the following:	1VSA12401
	AV CBA (SUB-A) SW CBA (SUB-B)	——— ———

AV CBA

Ref. No.	Description	Part No.
	AV CBA (SUB-A) Consists of the following:	———
	CAPACITORS	
C1205	CAP ALUMINUM ELECTOLYTIC 3.3µF/50V M or	CE1JMASDL3R3
	ELECTROLYTIC CAP. 3.3µF/50V M	CE1JMASTL3R3
C1208	CHIP CERAMIC CAP. B K 2200pF/50V	CHD1JK30B222
C1209	CHIP CERAMIC CAP. B K 2200pF/50V	CHD1JK30B222
C1210	CHIP CERAMIC CAP. B K 2200pF/50V	CHD1JK30B222
C1211	CHIP CERAMIC CAP. B K 2200pF/50V	CHD1JK30B222
C1212	CAP ALUMINUM ELECTOLYTIC 3.3µF/50V M or	CE1JMASDL3R3
	ELECTROLYTIC CAP. 3.3µF/50V M	CE1JMASTL3R3
C1214	CAP ALUMINUM ELECTOLYTIC 10µF/16V M or	CE1CMASDL100
	ELECTROLYTIC CAP. 10µF/16V M	CE1CMASTL100
C1215	CAP ALUMINUM ELECTOLYTIC 10µF/16V M or	CE1CMASDL100
	ELECTROLYTIC CAP. 10µF/16V M	CE1CMASTL100
C1216	CAP ALUMINUM ELECTOLYTIC 10µF/16V M or	CE1CMASDL100
	ELECTROLYTIC CAP. 10µF/16V M	CE1CMASTL100
C1217	CAP ALUMINUM ELECTOLYTIC 10µF/16V M or	CE1CMASDL100
	ELECTROLYTIC CAP. 10µF/16V M	CE1CMASTL100
C1218	CHIP CERAMIC CAP.(1608) F Z 0.1µF/50V or	CHD1JZ30F104
	CHIP CERAMIC CAP.(1608) F Z 0.1µF/25V or	CHD1EZ30F104
	CHIP CERAMIC CAP. FZ Z 0.1µF/50V	CHD1JZ3FZ104
C1219	CHIP CERAMIC CAP. CH J 18pF/50V or	CHD1JJ3CH180
	CHIP CERAMIC CAP. CG J 18pF/50V	CHD1JJ3CG180
C1220	CHIP CERAMIC CAP.(1608) CH J 22pF/50V or	CHD1JJ3CH220
	CHIP CERAMIC CAP. CG J 22pF/50V	CHD1JJ3CG220
C1222	ELECTROLYTIC CAP. 220µF/16V M or	CE1CMASDL221
	ELECTROLYTIC CAP. 220µF/16V M	CE1CMASTL221
C1223	CHIP CERAMIC CAP.(1608) F Z 0.1µF/50V or	CHD1JZ30F104
	CHIP CERAMIC CAP.(1608) F Z 0.1µF/25V or	CHD1EZ30F104
	CHIP CERAMIC CAP. FZ Z 0.1µF/50V	CHD1JZ3FZ104
If C1225 is 0.015µF, then IC1206 is BU4219G-TR, R3112N191A-TR-FA or R3112N191A-TR-FB.		
C1225	CHIP CERAMIC CAP.(1608) B K 0.015µF/50V	CHD1JK30B153
IC1206	RESET IC BU4219G-TR or	QSZBA0TRM090
	VOLTAGE DETECT R3112N191A-TR-FA or	QSZBA0TRC021
	VOLTAGE DETECT R3112N191A-TR-FB	QSZBA0TRC022
If C1225 is 0.1µF, then IC 1206 is IC-PST3619NR.		
C1225	CHIP CERAMIC CAP.(1608) B K 0.1µF/50V	CHD1JK30B104
IC1206	SYSTEM RESET IC IC-PST3619NR	QSZBA0TMM151
C1228	CHIP CERAMIC CAP.(1608) F Z 0.1µF/50V or	CHD1JZ30F104
	CHIP CERAMIC CAP.(1608) F Z 0.1µF/25V or	CHD1EZ30F104
	CHIP CERAMIC CAP. FZ Z 0.1µF/50V	CHD1JZ3FZ104
C1229	CERAMIC CAP.(AX) F Z 0.1µF/50V	CCA1JZTFZ104
C1230	CERAMIC CAP.(AX) F Z 0.1µF/50V	CCA1JZTFZ104
C1231	CAP ALUMINUM ELECTOLYTIC 470µF/6.3V M or	CE0KMASDL471
	ELECTROLYTIC CAP. 470µF/6.3V M	CE0KMASTL471
C1235	CAP ALUMINUM ELECTOLYTIC 100µF/16V M or	CE1CMASDL101
	ELECTROLYTIC CAP. 100µF/16V M	CE1CMASTL101
C1238	CERAMIC CAP.(AX) F Z 0.1µF/50V	CCA1JZTFZ104
C1239	CHIP CERAMIC CAP.(1608) F Z 0.1µF/50V or	CHD1JZ30F104
	CHIP CERAMIC CAP.(1608) F Z 0.1µF/25V or	CHD1EZ30F104
	CHIP CERAMIC CAP. FZ Z 0.1µF/50V	CHD1JZ3FZ104
C1241	CHIP CERAMIC CAP.(1608) F Z 0.1µF/50V or	CHD1JZ30F104
	CHIP CERAMIC CAP.(1608) F Z 0.1µF/25V or	CHD1EZ30F104
	CHIP CERAMIC CAP. FZ Z 0.1µF/50V	CHD1JZ3FZ104
C1242	CHIP CERAMIC CAP.(1608) F Z 0.1µF/50V or	CHD1JZ30F104
	CHIP CERAMIC CAP.(1608) F Z 0.1µF/25V or	CHD1EZ30F104
	CHIP CERAMIC CAP. FZ Z 0.1µF/50V	CHD1JZ3FZ104
C1244	CHIP CERAMIC CAP.(1608) F Z 0.1µF/50V or	CHD1JZ30F104
	CHIP CERAMIC CAP.(1608) F Z 0.1µF/25V or	CHD1EZ30F104
	CHIP CERAMIC CAP. FZ Z 0.1µF/50V	CHD1JZ3FZ104
C1245	CHIP CERAMIC CAP.(1608) F Z 0.1µF/50V or	CHD1JZ30F104
	CHIP CERAMIC CAP.(1608) F Z 0.1µF/25V or	CHD1EZ30F104
	CHIP CERAMIC CAP. FZ Z 0.1µF/50V	CHD1JZ3FZ104
C1246	CHIP CERAMIC CAP.(1608) B K 0.01µF/50V	CHD1JK30B103
C1247	CHIP CERAMIC CAP.(1608) F Z 0.1µF/50V or	CHD1JZ30F104
	CHIP CERAMIC CAP.(1608) F Z 0.1µF/25V or	CHD1EZ30F104
	CHIP CERAMIC CAP. FZ Z 0.1µF/50V	CHD1JZ3FZ104
C1248	CAP ALUMINUM ELECTOLYTIC 22µF/16V M or	CE1CMASDL220
	ELECTROLYTIC CAP. 22µF/16V M	CE1CMASTL220
C1250	CAP ALUMINUM ELECTOLYTIC 3.3µF/50V M or	CE1JMASDL3R3
	ELECTROLYTIC CAP. 3.3µF/50V M	CE1JMASTL3R3
C1251	CHIP CERAMIC CAP.(1608) CH J 100pF/50V or	CHD1JJ3CH101
	CHIP CERAMIC CAP.(1608) CG J 100pF/50V	CHD1JJ3CG101
C1252	CHIP CERAMIC CAP.(1608) B K 0.01µF/50V	CHD1JK30B103
C1256	CAP ALUMINUM ELECTOLYTIC 100µF/6.3V M or	CE0KMASDL101
	ELECTROLYTIC CAP. 100µF/6.3V M	CE0KMASTL101
C1259	CERAMIC CAP.(AX) F Z 0.1µF/50V	CCA1JZTFZ104
C1260	CHIP CERAMIC CAP.(1608) F Z 0.1µF/50V or	CHD1JZ30F104
	CHIP CERAMIC CAP.(1608) F Z 0.1µF/25V or	CHD1EZ30F104
	CHIP CERAMIC CAP. FZ Z 0.1µF/50V	CHD1JZ3FZ104
C1261	CAP ALUMINUM ELECTOLYTIC 100µF/6.3V M or	CE0KMASDL101
	ELECTROLYTIC CAP. 100µF/6.3V M	CE0KMASTL101
C1262	CAP ALUMINUM ELECTOLYTIC 100µF/6.3V M or	CE0KMASDL101
	ELECTROLYTIC CAP. 100µF/6.3V M	CE0KMASTL101
C1263	CHIP CERAMIC CAP.(1608) F Z 0.1µF/50V or	CHD1JZ30F104
	CHIP CERAMIC CAP.(1608) F Z 0.1µF/25V or	CHD1EZ30F104
	CHIP CERAMIC CAP. FZ Z 0.1µF/50V	CHD1JZ3FZ104

Ref. No.	Description	Part No.
C1264	CHIP CERAMIC CAP.(1608) F Z 0.1µF/50V or	CHD1JZ30F104
	CHIP CERAMIC CAP.(1608) F Z 0.1µF/25V or	CHD1EZ30F104
	CHIP CERAMIC CAP. FZ Z 0.1µF/50V	CHD1JZ3FZ104
C1267	CHIP CERAMIC CAP.(1608) F Z 0.1µF/50V or	CHD1JZ30F104
	CHIP CERAMIC CAP.(1608) F Z 0.1µF/25V or	CHD1EZ30F104
	CHIP CERAMIC CAP. FZ Z 0.1µF/50V	CHD1JZ3FZ104
C1270	CAP ALUMINUM ELECTOLYTIC 100µF/6.3V M or	CE0KMASDL101
	ELECTROLYTIC CAP. 100µF/6.3V M	CE0KMASTL101
C1271	CHIP CERAMIC CAP.(1608) F Z 0.1µF/50V or	CHD1JZ30F104
	CHIP CERAMIC CAP.(1608) F Z 0.1µF/25V or	CHD1EZ30F104
	CHIP CERAMIC CAP. FZ Z 0.1µF/50V	CHD1JZ3FZ104
C1273	CAP ALUMINUM ELECTOLYTIC 10µF/16V M or	CE1CMASDL100
	ELECTROLYTIC CAP. 10µF/16V M	CE1CMASTL100
C1274	CAP ALUMINUM ELECTOLYTIC 10µF/16V M or	CE1CMASDL100
	ELECTROLYTIC CAP. 10µF/16V M	CE1CMASTL100
C1275	ELECTROLYTIC CAP. 220µF/16V M or	CE1CMASDL221
	ELECTROLYTIC CAP. 220µF/16V M	CE1CMASTL221
C1276	CHIP CERAMIC CAP.(1608) F Z 0.1µF/50V or	CHD1JZ30F104
	CHIP CERAMIC CAP.(1608) F Z 0.1µF/25V or	CHD1EZ30F104
	CHIP CERAMIC CAP. FZ Z 0.1µF/50V	CHD1JZ3FZ104
C1277	CHIP CERAMIC CAP.(1608) F Z 0.1µF/50V or	CHD1JZ30F104
	CHIP CERAMIC CAP.(1608) F Z 0.1µF/25V or	CHD1EZ30F104
	CHIP CERAMIC CAP. FZ Z 0.1µF/50V	CHD1JZ3FZ104
C1279	CHIP CERAMIC CAP.(1608) F Z 0.1µF/50V or	CHD1JZ30F104
	CHIP CERAMIC CAP.(1608) F Z 0.1µF/25V or	CHD1EZ30F104
	CHIP CERAMIC CAP. FZ Z 0.1µF/50V	CHD1JZ3FZ104
C1281	CHIP CERAMIC CAP.(1608) F Z 0.1µF/50V or	CHD1JZ30F104
	CHIP CERAMIC CAP.(1608) F Z 0.1µF/25V or	CHD1EZ30F104
	CHIP CERAMIC CAP. FZ Z 0.1µF/50V	CHD1JZ3FZ104
C1286	CAP ALUMINUM ELECTOLYTIC 47µF/16V M or	CE1CMASDL470
	ELECTROLYTIC CAP. 47µF/16V M	CE1CMASTL470
C1287	CHIP CERAMIC CAP.(1608) F Z 0.1µF/50V or	CHD1JZ30F104
	CHIP CERAMIC CAP.(1608) F Z 0.1µF/25V or	CHD1EZ30F104
	CHIP CERAMIC CAP. FZ Z 0.1µF/50V	CHD1JZ3FZ104
C1288	CAP ALUMINUM ELECTOLYTIC 100µF/6.3V M or	CE0KMASDL101
	ELECTROLYTIC CAP. 100µF/6.3V M	CE0KMASTL101
C1289	CHIP CERAMIC CAP.(1608) CH J 100pF/50V or	CHD1JJ3CH101
	CHIP CERAMIC CAP.(1608) CG J 100pF/50V	CHD1JJ3CG101
C1295	CHIP CERAMIC CAP.(1608) F Z 0.1µF/50V or	CHD1JZ30F104
	CHIP CERAMIC CAP.(1608) F Z 0.1µF/25V or	CHD1EZ30F104
	CHIP CERAMIC CAP. FZ Z 0.1µF/50V	CHD1JZ3FZ104
C1296	CAP ALUMINUM ELECTOLYTIC 470µF/6.3V M or	CE0KMASDL471
	ELECTROLYTIC CAP. 470µF/6.3V M	CE0KMASTL471
C1297	CAP ALUMINUM ELECTOLYTIC 100µF/6.3V M or	CE0KMASDL101
	ELECTROLYTIC CAP. 100µF/6.3V M	CE0KMASTL101
C1298	CAP ALUMINUM ELECTOLYTIC 100µF/16V M or	CE1CMASDL101
	ELECTROLYTIC CAP. 100µF/16V M	CE1CMASTL101
C1299	CAP ALUMINUM ELECTOLYTIC 10µF/16V M or	CE1CMASDL100
	ELECTROLYTIC CAP. 10µF/16V M	CE1CMASTL100
C1300	CAP ALUMINUM ELECTOLYTIC 10µF/16V M or	CE1CMASDL100
	ELECTROLYTIC CAP. 10µF/16V M	CE1CMASTL100
C1301	CERAMIC CAP.(AX) F Z 0.1µF/50V	CCA1JZTFZ104
C1313	CAP ALUMINUM ELECTOLYTIC 1µF/50V M or	CE1JMASDL1R0
	ELECTROLYTIC CAP. 1µF/50V M	CE1JMASTL1R0
C1314	CAP ALUMINUM ELECTOLYTIC 1µF/50V M or	CE1JMASDL1R0
	ELECTROLYTIC CAP. 1µF/50V M	CE1JMASTL1R0
C1315	CAP ALUMINUM ELECTOLYTIC 47µF/16V M or	CE1CMASDL470
	ELECTROLYTIC CAP. 47µF/16V M	CE1CMASTL470
C1316	CHIP CERAMIC CAP.(1608) B K 0.1µF/50V	CHD1JK30B104
C1323	CAP ALUMINUM ELECTOLYTIC 10µF/16V M or	CE1CMASDL100
	ELECTROLYTIC CAP. 10µF/16V M	CE1CMASTL100
C1324	CAP ALUMINUM ELECTOLYTIC 10µF/16V M or	CE1CMASDL100
	ELECTROLYTIC CAP. 10µF/16V M	CE1CMASTL100

Ref. No.	Description	Part No.
C1326	CAP ALUMINUM ELECTOLYTIC 100µF/16V M or	CE1CMASDL101
	ELECTROLYTIC CAP. 100µF/16V M	CE1CMASTL101
C1328	CERAMIC CAP.(AX) B K 0.1µF/25V	CCA1EKT0B104
C1335	CAP ALUMINUM ELECTOLYTIC 470µF/6.3V M or	CE0KMASDL471
	ELECTROLYTIC CAP. 470µF/6.3V M	CE0KMASTL471
C1340	CAP ALUMINUM ELECTOLYTIC 1µF/50V M or	CE1JMASDL1R0
	ELECTROLYTIC CAP. 1µF/50V M	CE1JMASTL1R0
C1344	CAP ALUMINUM ELECTOLYTIC 10µF/16V M or	CE1CMASDL100
	ELECTROLYTIC CAP. 10µF/16V M	CE1CMASTL100
C1345	CAP ALUMINUM ELECTOLYTIC 10µF/16V M or	CE1CMASDL100
	ELECTROLYTIC CAP. 10µF/16V M	CE1CMASTL100
C1349	CHIP CERAMIC CAP.(1608) CH J 270pF/50V or	CHD1JJ3CH271
	CHIP CERAMIC CAP. A J 270pF/50V	CHD1JJ3CG271
C1350	CHIP CERAMIC CAP.(1608) CH J 270pF/50V or	CHD1JJ3CH271
	CHIP CERAMIC CAP. A J 270pF/50V	CHD1JJ3CG271
C1355	CAP ALUMINUM ELECTOLYTIC 100µF/6.3V M or	CE0KMASDL101
	ELECTROLYTIC CAP. 100µF/6.3V M	CE0KMASTL101
C1357	CHIP CERAMIC CAP.(1608) B K 0.01µF/50V	CHD1JK30B103
C1358	CHIP CERAMIC CAP.(1608) CH J 47pF/50V or	CHD1JJ3CH470
	CHIP CERAMIC CAP. CG J 47pF/50V	CHD1JJ3CG470
C1359	CHIP CERAMIC CAP.(1608) CH J 47pF/50V or	CHD1JJ3CH470
	CHIP CERAMIC CAP. CG J 47pF/50V	CHD1JJ3CG470
C1361	CHIP CERAMIC CAP.(1608) F Z 0.1µF/50V or	CHD1JZ30F104
	CHIP CERAMIC CAP.(1608) F Z 0.1µF/25V or	CHD1EZ30F104
	CHIP CERAMIC CAP. FZ Z 0.1µF/50V	CHD1JZ3FZ104
C1362	CAP ALUMINUM ELECTOLYTIC 1µF/50V M or	CE1JMASDL1R0
	ELECTROLYTIC CAP. 1µF/50V M	CE1JMASTL1R0
C1363	CAP ALUMINUM ELECTOLYTIC 4.7µF/25V M or	CE1EMASDL4R7
	ELECTROLYTIC CAP. 4.7µF/25V M	CE1EMASTL4R7
C1364	CAP ALUMINUM ELECTOLYTIC 4.7µF/25V M or	CE1EMASDL4R7
	ELECTROLYTIC CAP. 4.7µF/25V M	CE1EMASTL4R7
C1365	CAP ALUMINUM ELECTOLYTIC 4.7µF/25V M or	CE1EMASDL4R7
	ELECTROLYTIC CAP. 4.7µF/25V M	CE1EMASTL4R7
C1366	CAP ALUMINUM ELECTOLYTIC 4.7µF/25V M or	CE1EMASDL4R7
	ELECTROLYTIC CAP. 4.7µF/25V M	CE1EMASTL4R7
C1367	CHIP CERAMIC CAP.(1608) B K 0.01µF/50V	CHD1JK30B103
C1371	CHIP CERAMIC CAP.(1608) CH J 47pF/50V or	CHD1JJ3CH470
	CHIP CERAMIC CAP. CG J 47pF/50V	CHD1JJ3CG470
C1372	CAP ALUMINUM ELECTOLYTIC 10µF/16V M or	CE1CMASDL100
	ELECTROLYTIC CAP. 10µF/16V M	CE1CMASTL100
C1373	CAP ALUMINUM ELECTOLYTIC 470µF/6.3V M or	CE0KMASDL471
	ELECTROLYTIC CAP. 470µF/6.3V M	CE0KMASTL471
C1374	CAP ALUMINUM ELECTOLYTIC 470µF/6.3V M or	CE0KMASDL471
	ELECTROLYTIC CAP. 470µF/6.3V M	CE0KMASTL471
C1375	CHIP CERAMIC CAP.(1608) B K 0.1µF/50V	CHD1JK30B104
C1376	CAP ALUMINUM ELECTOLYTIC 22µF/25V M or	CE1EMASDL220
	ELECTROLYTIC CAP. 22µF/25V M	CE1EMASTL220
C1378	CHIP CERAMIC CAP.(1608) F Z 0.1µF/50V or	CHD1JZ30F104
	CHIP CERAMIC CAP.(1608) F Z 0.1µF/25V or	CHD1EZ30F104
	CHIP CERAMIC CAP. FZ Z 0.1µF/50V	CHD1JZ3FZ104
C1379	CAP ALUMINUM ELECTOLYTIC 4.7µF/25V M or	CE1EMASDL4R7
	ELECTROLYTIC CAP. 4.7µF/25V M	CE1EMASTL4R7
C1380	CAP ALUMINUM ELECTOLYTIC 4.7µF/25V M or	CE1EMASDL4R7
	ELECTROLYTIC CAP. 4.7µF/25V M	CE1EMASTL4R7
C1382	CAP ALUMINUM ELECTOLYTIC 10µF/16V M or	CE1CMASDL100
	ELECTROLYTIC CAP. 10µF/16V M	CE1CMASTL100
C1383	CAP ALUMINUM ELECTOLYTIC 10µF/16V M or	CE1CMASDL100
	ELECTROLYTIC CAP. 10µF/16V M	CE1CMASTL100
C1385	CAP ALUMINUM ELECTOLYTIC 1µF/50V M or	CE1JMASDL1R0
	ELECTROLYTIC CAP. 1µF/50V M	CE1JMASTL1R0

Ref. No.	Description	Part No.
C1386	CHIP CERAMIC CAP.(1608) CH J 47pF/50V or	CHD1JJ3CH470
	CHIP CERAMIC CAP. CG J 47pF/50V	CHD1JJ3CG470
C1388	CERAMIC CAP.(AX) B K 0.1µF/25V	CCA1EKT0B104
C1389	CAP ALUMINUM ELECTOLYTIC 1µF/50V M or	CE1JMASDL1R0
	ELECTROLYTIC CAP. 1µF/50V M	CE1JMASTL1R0
C1391	CHIP CERAMIC CAP. CH J 39pF/50V or	CHD1JJBCH390
	CHIP CERAMIC CAP. CG J 39pF/50V	CHD1JJ3CG390
C1393	CAP ALUMINUM ELECTOLYTIC 1µF/50V M or	CE1JMASDL1R0
	ELECTROLYTIC CAP. 1µF/50V M	CE1JMASTL1R0
C1394	CAP ALUMINUM ELECTOLYTIC 1µF/50V M or	CE1JMASDL1R0
	ELECTROLYTIC CAP. 1µF/50V M	CE1JMASTL1R0
C1396	CHIP CERAMIC CAP.(1608) F Z 0.1µF/50V or	CHD1JZ30F104
	CHIP CERAMIC CAP.(1608) F Z 0.1µF/25V or	CHD1EZ30F104
	CHIP CERAMIC CAP. FZ Z 0.1µF/50V	CHD1JZ3FZ104
C1399	CHIP CERAMIC CAP.(1608) CH J 22pF/50V or	CHD1JJ3CH220
	CHIP CERAMIC CAP. CG J 22pF/50V	CHD1JJ3CG220
C1400	CHIP CERAMIC CAP.(1608) F Z 0.1µF/50V or	CHD1JZ30F104
	CHIP CERAMIC CAP.(1608) F Z 0.1µF/25V or	CHD1EZ30F104
	CHIP CERAMIC CAP. FZ Z 0.1µF/50V	CHD1JZ3FZ104
C1406	CHIP CERAMIC CAP.(1608) B K 0.1µF/50V	CHD1JK30B104
C1407	PCB JUMPER D0.6-P5.0	JW5.0T
C1408	CAP ALUMINUM ELECTOLYTIC 470µF/6.3V M or	CE0KMASDL471
	ELECTROLYTIC CAP. 470µF/6.3V M	CE0KMASTL471
C1409	CHIP CERAMIC CAP.(1608) B K 0.01µF/50V	CHD1JK30B103
C1410	CHIP CERAMIC CAP. CH J 56pF/50V or	CHD1JJ3CH560
	CHIP CERAMIC CAP. CG J 56pF/50V	CHD1JJ3CG560
C1411	CAP ALUMINUM ELECTOLYTIC 22µF/25V M or	CE1EMASDL220
	ELECTROLYTIC CAP. 22µF/25V M	CE1EMASTL220
C1412	CHIP CERAMIC CAP.(1608) F Z 0.1µF/50V or	CHD1JZ30F104
	CHIP CERAMIC CAP.(1608) F Z 0.1µF/25V or	CHD1EZ30F104
	CHIP CERAMIC CAP. FZ Z 0.1µF/50V	CHD1JZ3FZ104
C1413	CHIP CERAMIC CAP.(1608) B K 0.01µF/50V	CHD1JK30B103
C1415	CAP ALUMINUM ELECTOLYTIC 100µF/6.3V M or	CE0KMASDL101
	ELECTROLYTIC CAP. 100µF/6.3V M	CE0KMASTL101
C1416	CHIP CERAMIC CAP. CH J 39pF/50V or	CHD1JJBCH390
	CHIP CERAMIC CAP. CG J 39pF/50V	CHD1JJ3CG390
C1418	CAP ALUMINUM ELECTOLYTIC 1µF/50V M or	CE1JMASDL1R0
	ELECTROLYTIC CAP. 1µF/50V M	CE1JMASTL1R0
C1419	CAP ALUMINUM ELECTOLYTIC 1µF/50V M or	CE1JMASDL1R0
	ELECTROLYTIC CAP. 1µF/50V M	CE1JMASTL1R0
C1420	CAP ALUMINUM ELECTOLYTIC 1µF/50V M or	CE1JMASDL1R0
	ELECTROLYTIC CAP. 1µF/50V M	CE1JMASTL1R0
C1424	CHIP CERAMIC CAP. B K 2200pF/50V	CHD1JK30B222
C1425	CHIP CERAMIC CAP. F Z 0.22µF/16V or	CHD1CZ30F224
	CHIP CERAMIC CAP. FZ Z 0.22µF/25V	CHD1EZ3FZ224
C1426	CHIP CERAMIC CAP. F Z 0.22µF/16V or	CHD1CZ30F224
	CHIP CERAMIC CAP. FZ Z 0.22µF/25V	CHD1EZ3FZ224
C1427	CHIP CERAMIC CAP.(1608) F Z 0.1µF/50V or	CHD1JZ30F104
	CHIP CERAMIC CAP.(1608) F Z 0.1µF/25V or	CHD1EZ30F104
	CHIP CERAMIC CAP. FZ Z 0.1µF/50V	CHD1JZ3FZ104
C1428	CHIP CERAMIC CAP.(1608) B K 0.01µF/50V	CHD1JK30B103
C1429	CHIP CERAMIC CAP.(1608) F Z 0.1µF/50V or	CHD1JZ30F104
	CHIP CERAMIC CAP.(1608) F Z 0.1µF/25V or	CHD1EZ30F104
	CHIP CERAMIC CAP. FZ Z 0.1µF/50V	CHD1JZ3FZ104
C1430	CHIP CERAMIC CAP. B K 2200pF/50V	CHD1JK30B222
C1433	CHIP CERAMIC CAP. B K 2200pF/50V	CHD1JK30B222
C1434	CHIP CERAMIC CAP. B K 2200pF/50V	CHD1JK30B222
C1436	CHIP CERAMIC CAP.(1608) B K 1000pF/50V	CHD1JK30B102
C1439	CAP ALUMINUM ELECTOLYTIC 47µF/16V M or	CE1CMASDL470
	ELECTROLYTIC CAP. 47µF/16V M	CE1CMASTL470
C1440	CHIP CERAMIC CAP.(1608) F Z 0.1µF/50V or	CHD1JZ30F104
	CHIP CERAMIC CAP.(1608) F Z 0.1µF/25V or	CHD1EZ30F104
	CHIP CERAMIC CAP. FZ Z 0.1µF/50V	CHD1JZ3FZ104
C1442	CAP ALUMINUM ELECTOLYTIC 1µF/50V M or	CE1JMASDL1R0
	ELECTROLYTIC CAP. 1µF/50V M	CE1JMASTL1R0

Ref. No.	Description	Part No.
C1443	CAP ALUMINUM ELECTOLYTIC 470µF/6.3V M or	CE0KMASDL471
	ELECTROLYTIC CAP. 470µF/6.3V M	CE0KMASTL471
C1444	CAP ALUMINUM ELECTOLYTIC 470µF/6.3V M or	CE0KMASDL471
	ELECTROLYTIC CAP. 470µF/6.3V M	CE0KMASTL471
C1445	CAP ALUMINUM ELECTOLYTIC 470µF/6.3V M or	CE0KMASDL471
	ELECTROLYTIC CAP. 470µF/6.3V M	CE0KMASTL471
C1446	CHIP CERAMIC CAP.(1608) F Z 0.1µF/50V or	CHD1JZ30F104
	CHIP CERAMIC CAP.(1608) F Z 0.1µF/25V or	CHD1EZ30F104
	CHIP CERAMIC CAP. FZ Z 0.1µF/50V	CHD1JZ3FZ104
C1451	CHIP CERAMIC CAP. B K 2200pF/50V	CHD1JK30B222
C1452	CHIP CERAMIC CAP. B K 2200pF/50V	CHD1JK30B222
C1456	CHIP CERAMIC CAP.(1608) F Z 0.1µF/50V or	CHD1JZ30F104
	CHIP CERAMIC CAP.(1608) F Z 0.1µF/25V or	CHD1EZ30F104
	CHIP CERAMIC CAP. FZ Z 0.1µF/50V	CHD1JZ3FZ104
C1458	CAP ALUMINUM ELECTOLYTIC 1µF/50V M or	CE1JMASDL1R0
	ELECTROLYTIC CAP. 1µF/50V M	CE1JMASTL1R0
C1459	CHIP CERAMIC CAP.(1608) B K 1000pF/50V	CHD1JK30B102
C1460	ELECTROLYTIC CAP. 1µF/50V M H7	CE1JMAVSL1R0
C1461	CHIP CERAMIC CAP.(1608) B K 1000pF/50V	CHD1JK30B102
	CONNECTORS	
CN1201	242 SERIES CONNECTOR 224202115W1 or	J322C15TG001
	CONNECTOR BASE 15P TUC-P15P-B1	J3TUA15TG001
CN1202	PH CONNECTOR (WHITE) TOP 2P B2B-PH-K-S(LF) or	J3PHC02JG017
	PH CONNECTOR TOP 2P B2B-PH-K-S	J3PHC02JG001
CN1209	AFV PCB ASSEMBLY E6820ED	E6820AFV
	DIODES	
D1201	DIODE 1N5397-B	NDLZ001N5397
D1204	SWITCHING DIODE 1N4148M or	NDTZ01N4148M
	SWITCHING DIODE 1SS133(T-77)	QDTZ001SS133
D1205	DIODE 1N5397-B	NDLZ001N5397
D1206	SWITCHING DIODE 1N4148M or	NDTZ01N4148M
	SWITCHING DIODE 1SS133(T-77)	QDTZ001SS133
D1207	ZENER DIODE DZ-7.5BSAT265 or	NDTA0DZ7R5BS
	ZENER DIODE MTZJT-777.5A	QDTA0MTZJ7R5
D1210	PCB JUMPER D0.6-P5.0	JW5.0T
D1211	SWITCHING DIODE 1N4148M or	NDTZ01N4148M
	SWITCHING DIODE 1SS133(T-77)	QDTZ001SS133
D1212	SWITCHING DIODE 1N4148M or	NDTZ01N4148M
	SWITCHING DIODE 1SS133(T-77)	QDTZ001SS133
D1213	SWITCHING DIODE 1N4148M or	NDTZ01N4148M
	SWITCHING DIODE 1SS133(T-77)	QDTZ001SS133
D1219	SWITCHING DIODE 1N4148M or	NDTZ01N4148M
	SWITCHING DIODE 1SS133(T-77)	QDTZ001SS133
D1220	SWITCHING DIODE 1N4148M or	NDTZ01N4148M
	SWITCHING DIODE 1SS133(T-77)	QDTZ001SS133
D1223	ZENER DIODE MTZJT-774.3C	QDTC0MTZJ4R3
D1224	ZENER DIODE DZ-11BSBT265 or	NDTB00DZ11BS
	ZENER DIODE MTZJT-7711B	QDTB00MTZJ11
D1226	SWITCHING DIODE 1N4148M or	NDTZ01N4148M
	SWITCHING DIODE 1SS133(T-77)	QDTZ001SS133
D1228	ZENER DIODE DZ-5.6BSBT265 or	NDTB0DZ5R6BS
	ZENER DIODE MTZJT-775.6B	QDTB0MTZJ5R6
D1237	ZENER DIODE DZ-33BSDT265 or	NDTD00DZ33BS
	ZENER DIODE MTZJT-7733D	QDTD00MTZJ33
D1238	ZENER DIODE DZ-11BSAT265 or	NDTA00DZ11BS
	ZENER DIODE MTZJT-7711A	QDTA00MTZJ11
D1239	ZENER DIODE DZ-11BSAT265 or	NDTA00DZ11BS
	ZENER DIODE MTZJT-7711A	QDTA00MTZJ11
D1241	ZENER DIODE DZ-11BSAT265 or	NDTA00DZ11BS
	ZENER DIODE MTZJT-7711A	QDTA00MTZJ11
D1243	ZENER DIODE DZ-11BSAT265 or	NDTA00DZ11BS
	ZENER DIODE MTZJT-7711A	QDTA00MTZJ11
D1244	ZENER DIODE DZ-11BSAT265 or	NDTA00DZ11BS
	ZENER DIODE MTZJT-7711A	QDTA00MTZJ11

Ref. No.	Description	Part No.
D1245	ZENER DIODE DZ-11BSAT265 or	NDTA00DZ11BS
	ZENER DIODE MTZJT-7711A	QDTA00MTZJ11
D1247	ZENER DIODE DZ-11BSAT265 or	NDTA00DZ11BS
	ZENER DIODE MTZJT-7711A	QDTA00MTZJ11
D1248	ZENER DIODE DZ-11BSAT265 or	NDTA00DZ11BS
	ZENER DIODE MTZJT-7711A	QDTA00MTZJ11
D1249	ZENER DIODE DZ-11BSAT265 or	NDTA00DZ11BS
	ZENER DIODE MTZJT-7711A	QDTA00MTZJ11
D1250	ZENER DIODE DZ-11BSAT265 or	NDTA00DZ11BS
	ZENER DIODE MTZJT-7711A	QDTA00MTZJ11
	ICS	
IC1205	VFD DRIVER IC SC16313G or	NSZBA0T0S005
	VFD DRIVER/CONTROLLER IC PT6313-S-TP(L)	NSZBA0TG2007
If IC1206 is BU4219G-TR, R3112N191A-TR-FA or R3112N191A-TR-FB, then C1225 is 0.015μF.		
IC1206	RESET IC BU4219G-TR or	QSZBA0TRM090
	VOLTAGE DETECT R3112N191A-TR-FA or	QSZBA0TRC021
	VOLTAGE DETECT R3112N191A-TR-FB	QSZBA0TRC022
C1225	CHIP CERAMIC CAP.(1608) B K 0.015μF/50V	CHD1JK30B153
If IC1206 is IC-PST3619NR, then C1225 is 0.1μF.		
IC1206	SYSTEM RESET IC IC-PST3619NR	QSZBA0TMM151
C1225	CHIP CERAMIC CAP.(1608) B K 0.1μF/50V	CHD1JK30B104
IC1207	SYSCON IC MN101C77A FD2 or	QSZAC0RMS035
	SYSCON IC MN101C77A FD1	QSZAB0RMS035
IC1208	IC(ANALOG SW) CD4052BPWR	NSZBA0TTY142
IC1209	VIDEO SWITCH MM1697AJBE	QSZBA0TMM150
IC1211	IC SHUNT REGULATOR KIA431-AT/P	NSZBA0TJY036
IC1212	VOLTAGE REGULATOR PQ070XF01SZH or	QSZBA0SSH054
	VOLTAGE REGULATOR PQ070XF01SZ	QSZBA0SSH026
IC1213	VOLTAGE REGULATOR PQ070XF01SZH or	QSZBA0SSH054
	VOLTAGE REGULATOR PQ070XF01SZ	QSZBA0SSH026
IC1215	BUS SWITCH IC TC7WBD125AFK	QSZBA0TTS150
IC1216	IC OP AMP RC4580IP	NSZBA0STY173
IC1219	AV SWITCH MM1443XJBE	QSZBA0TMM152
IC1221	IC SWITCH TC4053BF(EL N F) or	QSZBA0TTS163
	IC ANALOG MULTIPLEXER CD4053BNSR or	NSZBA0TTY093
	IC ANALOG MULTIPLEXERS CD4053BCSJX or	NSZBA0TF3071
	IC SWITCH TC4053BF(N)	QSMBA0STS002
IC1222	IC OP AMP KIA4558P/P or	NSZBA0SJY035
	IC OP AMP RC4580IP	NSZBA0STY173
IC1223	DRIVER FOR DVD MM1636XWRE	QSZBA0TMM108
IC1225	LOGIC IC NC7WZU04P6X	NSZBA0TF3109
IC1226	DRIVER FOR DVD MM1637XVBE	QSZBA0TMM102
	COILS	
L1201	INDUCTOR(100μH K) LAP02TA101K	LLAXKATTU101
L1209	INDUCTOR(100μH K) LAP02TA101K	LLAXKATTU101
L1210	PCB JUMPER D0.6-P5.0	JW5.0T
L1211	PCB JUMPER D0.6-P5.0	JW5.0T
L1217	PCB JUMPER D0.6-P5.0	JW5.0T
L1218	INDUCTOR(100μH K) LAP02TA101K	LLAXKATTU101
L1221	PCB JUMPER D0.6-P5.0	JW5.0T
L1224	INDUCTOR(0.47μH K) LAP02TAR47K	LLAXKATTUR47
L1226	BEAD CORE ASSEMBLY E6820ED	1VSA11351
	TRANSISTORS	
Q1205	TRANSISTOR KTA1267Y-AT/P or	NQSYKTA1267P
	TRANSISTOR KTA1267-GR-AT/P or	NQS1KTA1267P
	TRANSISTOR 2SA1175(J) or	QQSJ02SA1175
	TRANSISTOR 2SA1175(H) or	QQSH02SA1175
	TRANSISTOR 2SA1175(F) or	QQSF02SA1175
	TRANSISTOR KTA1267(Y) or	NQSY0KTA1267
	TRANSISTOR KTA1267(GR)	NQS10KTA1267
Q1206	TRANSISTOR KRC103M-AT/P or	NQSZKRC103MP
	RES. BUILT-IN TRANSISTOR KRC103M or	NQSZ0KRC103M
	RES. BUILT-IN TRANSISTOR BA1F4M-T	QQSZ00BA1F4M
Q1207	TRANSISTOR KTC3199-BL-AT/P or	NQS5KTC3199P
	TRANSISTOR 2SC1815-BL(TE2 F T) or	QQS22SC1815F
	TRANSISTOR KTC3199(BL) or	NQS50KTC3199

Ref. No.	Description	Part No.
	TRANSISTOR 2SC1815-BL(TPE2)	QQS202SC1815
Q1208	TRANSISTOR KRC103M-AT/P or	NQSZKRC103MP
	RES. BUILT-IN TRANSISTOR KRC103M or	NQSZ0KRC103M
	RES. BUILT-IN TRANSISTOR BA1F4M-T	QQSZ00BA1F4M
Q1210	TRANSISTOR KRC103M-AT/P or	NQSZKRC103MP
	RES. BUILT-IN TRANSISTOR KRC103M or	NQSZ0KRC103M
	RES. BUILT-IN TRANSISTOR BA1F4M-T	QQSZ00BA1F4M
Q1213	TRANSISTOR KRC103M-AT/P or	NQSZKRC103MP
	RES. BUILT-IN TRANSISTOR KRC103M or	NQSZ0KRC103M
	RES. BUILT-IN TRANSISTOR BA1F4M-T	QQSZ00BA1F4M
Q1214	TRANSISTOR 2SC3266-GR(TPE2 F) or	QQS12SC3266F
	TRANSISTOR 2SC3266-Y(TPE2 F) or	QQSY2SC3266F
	TRANSISTOR KTC3266-GR-AT/P or	NQS4KTC3266P
	TRANSISTOR KTC3266-Y-AT/P or	NQSYKTC3266P
	TRANSISTOR 2SC3266-GR(TPE2) or	QQS102SC3266
	TRANSISTOR 2SC3266-Y(TPE2)	QQSY02SC3266
Q1215	TRANSISTOR KTA1273-Y-AT/P or	NQSYKTA1273P
	TRANSISTOR 2SA966-Y(TE6 F M) or	QQSY02SA966F
	TRANSISTOR KTA1273(Y) or	NQSY0KTA1273
	TRANSISTOR 2SA966(Y)	QQSY002SA966
Q1217	TRANSISTOR KTC3199-Y-AT/P or	NQSYKTC3199P
	TRANSISTOR KTC3199-GR-AT/P or	NQS4KTC3199P
	TRANSISTOR 2SC1815-Y(TE2 F T) or	QQSY2SC1815F
	TRANSISTOR 2SC1815-GR(TE2 F T) or	QQS12SC1815F
	TRANSISTOR 2SC2785(J) or	QQSJ02SC2785
	TRANSISTOR 2SC2785(H) or	QQSH02SC2785
	TRANSISTOR 2SC2785(F) or	QQSF02SC2785
	TRANSISTOR KTC3199(Y) or	NQSY0KTC3199
	TRANSISTOR KTC3199(GR) or	NQS10KTC3199
	TRANSISTOR 2SC1815-Y(TPE2) or	QQSY02SC1815
	TRANSISTOR 2SC1815-GR(TPE2)	QQS102SC1815
Q1218	TRANSISTOR KTC3203-Y-AT/P or	NQSYKTC3203P
	TRANSISTOR 2SC2120-Y(TE2 F T) or	QQSY2SC2120F
	TRANSISTOR KTC3203(Y) or	NQSY0KTC3203
	TRANSISTOR 2SC2120-Y(TPE2)	QQSY02SC2120
Q1221	TRANSISTOR KTC3199-Y-AT/P or	NQSYKTC3199P
	TRANSISTOR KTC3199-GR-AT/P or	NQS4KTC3199P
	TRANSISTOR 2SC1815-Y(TE2 F T) or	QQSY2SC1815F
	TRANSISTOR 2SC1815-GR(TE2 F T) or	QQS12SC1815F
	TRANSISTOR 2SC2785(J) or	QQSJ02SC2785
	TRANSISTOR 2SC2785(H) or	QQSH02SC2785
	TRANSISTOR 2SC2785(F) or	QQSF02SC2785
	TRANSISTOR KTC3199(Y) or	NQSY0KTC3199
	TRANSISTOR KTC3199(GR) or	NQS10KTC3199
	TRANSISTOR 2SC1815-Y(TPE2) or	QQSY02SC1815
	TRANSISTOR 2SC1815-GR(TPE2)	QQS102SC1815
Q1222	TRANSISTOR KTA1267Y-AT/P or	NQSYKTA1267P
	TRANSISTOR KTA1267-GR-AT/P or	NQS1KTA1267P
	TRANSISTOR 2SA1175(J) or	QQSJ02SA1175
	TRANSISTOR 2SA1175(H) or	QQSH02SA1175
	TRANSISTOR 2SA1175(F) or	QQSF02SA1175
	TRANSISTOR KTA1267(Y) or	NQSY0KTA1267
	TRANSISTOR KTA1267(GR)	NQS10KTA1267
Q1224	TRANSISTOR KTC3199-Y-AT/P or	NQSYKTC3199P
	TRANSISTOR KTC3199-GR-AT/P or	NQS4KTC3199P
	TRANSISTOR 2SC1815-Y(TE2 F T) or	QQSY2SC1815F
	TRANSISTOR 2SC1815-GR(TE2 F T) or	QQS12SC1815F
	TRANSISTOR 2SC2785(J) or	QQSJ02SC2785
	TRANSISTOR 2SC2785(H) or	QQSH02SC2785
	TRANSISTOR 2SC2785(F) or	QQSF02SC2785
	TRANSISTOR KTC3199(Y) or	NQSY0KTC3199
	TRANSISTOR KTC3199(GR) or	NQS10KTC3199
	TRANSISTOR 2SC1815-Y(TPE2) or	QQSY02SC1815
	TRANSISTOR 2SC1815-GR(TPE2)	QQS102SC1815
Q1228	TRANSISTOR KTC3199-Y-AT/P or	NQSYKTC3199P
	TRANSISTOR KTC3199-GR-AT/P or	NQS4KTC3199P
	TRANSISTOR 2SC1815-Y(TE2 F T) or	QQSY2SC1815F

Ref. No.	Description	Part No.
	TRANSISTOR 2SC1815-GR(TE2 F T) or	QQS12SC1815F
	TRANSISTOR 2SC2785(J) or	QQSJ02SC2785
	TRANSISTOR 2SC2785(H) or	QQSH02SC2785
	TRANSISTOR 2SC2785(F) or	QQSF02SC2785
	TRANSISTOR KTC3199(Y) or	NQSY0KTC3199
	TRANSISTOR KTC3199(GR) or	NQS10KTC3199
	TRANSISTOR 2SC1815-Y(TPE2) or	QQSY02SC1815
	TRANSISTOR 2SC1815-GR(TPE2)	QQS102SC1815
Q1231	TRANSISTOR KTC3193-Y-AT/P or	NQSYKTC3193P
	TRANSISTOR KTC3193(Y)	NQSY0KTC3193
Q1232	TRANSISTOR KTC3193-Y-AT/P or	NQSYKTC3193P
	TRANSISTOR KTC3193(Y)	NQSY0KTC3193
Q1238	TRANSISTOR KTC3199-Y-AT/P or	NQSYKTC3199P
	TRANSISTOR KTC3199-GR-AT/P or	NQS4KTC3199P
	TRANSISTOR 2SC1815-Y(TE2 F T) or	QQSY2SC1815F
	TRANSISTOR 2SC1815-GR(TE2 F T) or	QQS12SC1815F
	TRANSISTOR 2SC2785(J) or	QQSJ02SC2785
	TRANSISTOR 2SC2785(H) or	QQSH02SC2785
	TRANSISTOR 2SC2785(F) or	QQSF02SC2785
	TRANSISTOR KTC3199(Y) or	NQSY0KTC3199
	TRANSISTOR KTC3199(GR) or	NQS10KTC3199
	TRANSISTOR 2SC1815-Y(TPE2) or	QQSY02SC1815
	TRANSISTOR 2SC1815-GR(TPE2)	QQS102SC1815
Q1240	CHIP TRANSISTOR KTC3875Y-RTK/P or	NQ1YKTC3875P
	CHIP TRANSISTOR KTC3875Y-RTK	NQ1Y0KTC3875
Q1244	TRANSISTOR KTA1267Y-AT/P or	NQSYKTA1267P
	TRANSISTOR KTA1267-GR-AT/P or	NQS1KTA1267P
	TRANSISTOR 2SA1175(J) or	QQSJ02SA1175
	TRANSISTOR 2SA1175(H) or	QQSH02SA1175
	TRANSISTOR 2SA1175(F) or	QQSF02SA1175
	TRANSISTOR KTA1267(Y) or	NQSY0KTA1267
	TRANSISTOR KTA1267(GR)	NQS10KTA1267
Q1245	TRANSISTOR KTA-1266-GR-AT/P or	NQS4KTA1266P
	TRANSISTOR 2SA1015-GR(TE2 F T) or	QQS12SA1015F
	TRANSISTOR KTA1266(GR) or	NQS40KTA1266
	TRANSISTOR 2SA1015-GR(TPE2)	QQS102SA1015
Q1246	TRANSISTOR KTC3879-Y-RTK/P or	NQ1YKTC3879P
	CHIP TRANSISTOR KTC3879Y-RTK	NQ1Y0KTC3879
Q1247	TRANSISTOR KTC3199-Y-AT/P or	NQSYKTC3199P
	TRANSISTOR KTC3199-GR-AT/P or	NQS4KTC3199P
	TRANSISTOR 2SC1815-Y(TE2 F T) or	QQSY2SC1815F
	TRANSISTOR 2SC1815-GR(TE2 F T) or	QQS12SC1815F
	TRANSISTOR 2SC2785(J) or	QQSJ02SC2785
	TRANSISTOR 2SC2785(H) or	QQSH02SC2785
	TRANSISTOR 2SC2785(F) or	QQSF02SC2785
	TRANSISTOR KTC3199(Y) or	NQSY0KTC3199
	TRANSISTOR KTC3199(GR) or	NQS10KTC3199
	TRANSISTOR 2SC1815-Y(TPE2) or	QQSY02SC1815
	TRANSISTOR 2SC1815-GR(TPE2)	QQS102SC1815
Q1252	TRANSISTOR KRC103S-RTK/P or	NQ1ZKRC103SP
	CHIP TRANSISTOR KRC103S RTK or	NQ1Z0KRC103S
	CHIP TRANSISTOR FA1F4M-T1B	QQ8Z00FA1F4M
Q1254	TRANSISTOR KRC103S-RTK/P or	NQ1ZKRC103SP
	CHIP TRANSISTOR KRC103S RTK or	NQ1Z0KRC103S
	CHIP TRANSISTOR FA1F4M-T1B	QQ8Z00FA1F4M
Q1255	TRANSISTOR KTC3199-Y-AT/P or	NQSYKTC3199P
	TRANSISTOR KTC3199-GR-AT/P or	NQS4KTC3199P
	TRANSISTOR 2SC1815-Y(TE2 F T) or	QQSY2SC1815F
	TRANSISTOR 2SC1815-GR(TE2 F T) or	QQS12SC1815F
	TRANSISTOR 2SC2785(J) or	QQSJ02SC2785
	TRANSISTOR 2SC2785(H) or	QQSH02SC2785
	TRANSISTOR 2SC2785(F) or	QQSF02SC2785
	TRANSISTOR KTC3199(Y) or	NQSY0KTC3199
	TRANSISTOR KTC3199(GR) or	NQS10KTC3199
	TRANSISTOR 2SC1815-Y(TPE2) or	QQSY02SC1815
	TRANSISTOR 2SC1815-GR(TPE2)	QQS102SC1815
Q1256	TRANSISTOR KTC3199-Y-AT/P or	NQSYKTC3199P

Ref. No.	Description	Part No.
	TRANSISTOR KTC3199-GR-AT/P or	NQS4KTC3199P
	TRANSISTOR 2SC1815-Y(TE2 F T) or	QQSY2SC1815F
	TRANSISTOR 2SC1815-GR(TE2 F T) or	QQS12SC1815F
	TRANSISTOR 2SC2785(J) or	QQSJ02SC2785
	TRANSISTOR 2SC2785(H) or	QQSH02SC2785
	TRANSISTOR 2SC2785(F) or	QQSF02SC2785
	TRANSISTOR KTC3199(Y) or	NQSY0KTC3199
	TRANSISTOR KTC3199(GR) or	NQS10KTC3199
	TRANSISTOR 2SC1815-Y(TPE2) or	QQSY02SC1815
	TRANSISTOR 2SC1815-GR(TPE2)	QQS102SC1815
Q1257	TRANSISTOR KTC3199-Y-AT/P or	NQSYKTC3199P
	TRANSISTOR KTC3199-GR-AT/P or	NQS4KTC3199P
	TRANSISTOR 2SC1815-Y(TE2 F T) or	QQSY2SC1815F
	TRANSISTOR 2SC1815-GR(TE2 F T) or	QQS12SC1815F
	TRANSISTOR 2SC2785(J) or	QQSJ02SC2785
	TRANSISTOR 2SC2785(H) or	QQSH02SC2785
	TRANSISTOR 2SC2785(F) or	QQSF02SC2785
	TRANSISTOR KTC3199(Y) or	NQSY0KTC3199
	TRANSISTOR KTC3199(GR) or	NQS10KTC3199
	TRANSISTOR 2SC1815-Y(TPE2) or	QQSY02SC1815
	TRANSISTOR 2SC1815-GR(TPE2)	QQS102SC1815
Q1258	TRANSISTOR KTC3199-Y-AT/P or	NQSYKTC3199P
	TRANSISTOR KTC3199-GR-AT/P or	NQS4KTC3199P
	TRANSISTOR 2SC1815-Y(TE2 F T) or	QQSY2SC1815F
	TRANSISTOR 2SC1815-GR(TE2 F T) or	QQS12SC1815F
	TRANSISTOR 2SC2785(J) or	QQSJ02SC2785
	TRANSISTOR 2SC2785(H) or	QQSH02SC2785
	TRANSISTOR 2SC2785(F) or	QQSF02SC2785
	TRANSISTOR KTC3199(Y) or	NQSY0KTC3199
	TRANSISTOR KTC3199(GR) or	NQS10KTC3199
	TRANSISTOR 2SC1815-Y(TPE2) or	QQSY02SC1815
	TRANSISTOR 2SC1815-GR(TPE2)	QQS102SC1815
	RESISTORS	
R1201	CHIP RES.(1608) 1/10W J 75 Ω	RRXAJR5Z0750
R1202	CHIP RES.(1608) 1/10W J 75 Ω	RRXAJR5Z0750
R1204	CHIP RES.(1608) 1/10W 0 Ω	RRXAZR5Z0000
R1205	CHIP RES.(1608) 1/10W J 47k Ω	RRXAJR5Z0473
R1206	CARBON RES. 1/4W J 8.2 Ω	RCX4JATZ08R2
R1207	CARBON RES. 1/4W J 5.6 Ω	RCX4JATZ05R6
R1208	CHIP RES.(1608) 1/10W J 75 Ω	RRXAJR5Z0750
R1211	CHIP RES.(1608) 1/10W J 75 Ω	RRXAJR5Z0750
R1212	CHIP RES.(1608) 1/10W J 75 Ω	RRXAJR5Z0750
R1215	CHIP RES.(1608) 1/10W 0 Ω	RRXAZR5Z0000
R1216	CHIP RES.(1608) 1/10W J 220 Ω	RRXAJR5Z0221
R1217	CHIP RES.(1608) 1/10W J 220 Ω	RRXAJR5Z0221
R1218	CARBON RES. 1/4W J 1k Ω	RCX4JATZ0102
R1221	CARBON RES. 1/6W J 1k Ω or	RCX6JATZ0102
	CARBON RES. 1/4W J 1k Ω	RCX4JATZ0102
R1224	CHIP RES.(1608) 1/10W J 220 Ω	RRXAJR5Z0221
R1225	CHIP RES.(1608) 1/10W J 220 Ω	RRXAJR5Z0221
R1229	CARBON RES. 1/4W J 82 Ω	RCX4JATZ0820
R1231	CHIP RES.(1608) 1/10W J 5.6k Ω	RRXAJR5Z0562
R1232	CHIP RES.(1608) 1/10W J 47k Ω	RRXAJR5Z0473
R1233	CARBON RES. 1/4W J 820 Ω	RCX4JATZ0821
R1234	CHIP RES.(1608) 1/10W J 100 Ω	RRXAJR5Z0101
R1235	CHIP RES.(1608) 1/10W J 10k Ω	RRXAJR5Z0103
R1236	CHIP RES.(1608) 1/10W J 10k Ω	RRXAJR5Z0103
R1237	CHIP RES.(1608) 1/10W J 10k Ω	RRXAJR5Z0103
R1238	CARBON RES. 1/4W J 560 Ω	RCX4JATZ0561
R1239	CARBON RES. 1/4W J 560 Ω	RCX4JATZ0561
R1240	CHIP RES.(1608) 1/10W J 47k Ω	RRXAJR5Z0473
R1242	CHIP RES.(1608) 1/10W J 10k Ω	RRXAJR5Z0103
R1243	CARBON RES. 1/4W J 560 Ω	RCX4JATZ0561
R1244	CARBON RES. 1/4W J 560 Ω	RCX4JATZ0561
R1247	CARBON RES. 1/4W J 1.5k Ω	RCX4JATZ0152
R1250	CHIP RES.(1608) 1/10W J 47k Ω	RRXAJR5Z0473
R1251	CHIP RES.(1608) 1/10W J 10k Ω	RRXAJR5Z0103

Ref. No.	Description	Part No.
R1252	CHIP RES.(1608) 1/10W 0 Ω	RRXAZR5Z0000
R1253	CHIP RES.(1608) 1/10W J 3.3k Ω	RRXAJR5Z0332
R1254	CHIP RES.(1608) 1/10W J 39k Ω	RRXAJR5Z0393
R1255	CHIP RES.(1608) 1/10W J 470 Ω	RRXAJR5Z0471
R1256	CHIP RES.(1608) 1/10W J 1k Ω	RRXAJR5Z0102
R1257	CHIP RES.(1608) 1/10W J 1k Ω	RRXAJR5Z0102
R1260	CHIP RES.(1608) 1/10W J 3.3k Ω	RRXAJR5Z0332
R1262	CHIP RES.(1608) 1/10W J 1k Ω	RRXAJR5Z0102
R1263	CHIP RES.(1608) 1/10W J 4.7k Ω	RRXAJR5Z0472
R1264	CHIP RES.(1608) 1/10W J 82k Ω	RRXAJR5Z0823
R1267	CHIP RES.(1608) 1/10W J 68k Ω	RRXAJR5Z0683
R1268	CHIP RES.(1608) 1/10W 0 Ω	RRXAZR5Z0000
R1269	CHIP RES.(1608) 1/10W J 47k Ω	RRXAJR5Z0473
R1272	CARBON RES. 1/4W J 680 Ω	RCX4JATZ0681
R1273	CARBON RES. 1/4W J 680 Ω	RCX4JATZ0681
R1278	CHIP RES.(1608) 1/10W J 100 Ω	RRXAJR5Z0101
R1282	CHIP RES.(1608) 1/10W J 100 Ω	RRXAJR5Z0101
R1286	CHIP RES.(1608) 1/10W J 100 Ω	RRXAJR5Z0101
R1295	CHIP RES.(1608) 1/10W J 100 Ω	RRXAJR5Z0101
R1299	CHIP RES.(1608) 1/10W 0 Ω	RRXAZR5Z0000
R1300	CHIP RES.(1608) 1/10W J 470 Ω	RRXAJR5Z0471
R1301	CARBON RES. 1/6W J 390 Ω or	RCX6JATZ0391
	CARBON RES. 1/4W J 390 Ω	RCX4JATZ0391
R1310	CHIP RES.(1608) 1/10W J 330 Ω	RRXAJR5Z0331
R1312	CHIP RES.(1608) 1/10W J 10k Ω	RRXAJR5Z0103
R1313	PCB JUMPER D0.6-P5.0	JW5.0T
R1316	CHIP RES.(1608) 1/10W J 22k Ω	RRXAJR5Z0223
R1318	CHIP RES.(1608) 1/10W F 4.7k Ω or	RRXAFR5H0472
	CHIP RES.(1608) 1/10W F 4.7k Ω	RRXAFR5Z0472
R1320	CARBON RES. 1/6W J 100 Ω or	RCX6JATZ0101
	CARBON RES. 1/4W J 100 Ω	RCX4JATZ0101
R1321	CHIP RES.(1608) 1/10W F 1.5k Ω or	RRXAFR5H0152
	CHIP RES.(1608) 1/10W F 1.5k Ω	RRXAFR5Z0152
R1322	CHIP RES.(1608) 1/10W J 47k Ω	RRXAJR5Z0473
R1323	CHIP RES.(1608) 1/10W F 100 Ω or	RRXAFR5H0101
	CHIP RES. 1/10W F 100 Ω	RRXAFR5Z0101
R1324	CHIP RES.(1608) 1/10W J 100 Ω	RRXAJR5Z0101
R1325	CHIP RES.(1608) 1/10W J 100 Ω	RRXAJR5Z0101
R1327	CHIP RES.(1608) 1/10W F 10k Ω or	RRXAFR5H0103
	CHIP RES.(1608) 1/10W F 10k Ω	RRXAFR5Z0103
R1328	CHIP RES.(1608) 1/10W F 10k Ω or	RRXAFR5H0103
	CHIP RES.(1608) 1/10W F 10k Ω	RRXAFR5Z0103
R1329	CHIP RES.(1608) 1/10W J 100 Ω	RRXAJR5Z0101
R1330	CHIP RES. 1/10W F 15k Ω or	RRXAFR5H0153
	CHIP RES.(1608) 1/10W F 15k Ω	RRXAFR5Z0153
R1331	CHIP RES.(1608) 1/10W F 10k Ω or	RRXAFR5H0103
	CHIP RES.(1608) 1/10W F 10k Ω	RRXAFR5Z0103
R1332	CHIP RES.(1608) 1/10W J 2.2k Ω	RRXAJR5Z0222
R1334	CHIP RES.(1608) 1/10W J 2.7k Ω	RRXAJR5Z0272
R1335	CHIP RES. 1/10W F 120 Ω or	RRXAFR5H1200
	CHIP RES. 1/10W F 120 Ω	RRXAFR5Z1200
R1336	CHIP RES.(1608) 1/10W F 1.5k Ω or	RRXAFR5H0152
	CHIP RES.(1608) 1/10W F 1.5k Ω	RRXAFR5Z0152
R1337	CHIP RES.(1608) 1/10W J 2.2k Ω	RRXAJR5Z0222
R1338	CHIP RES.(1608) 1/10W J 100 Ω	RRXAJR5Z0101
R1339	CHIP RES.(1608) 1/10W J 22k Ω	RRXAJR5Z0223
R1350	CHIP RES.(1608) 1/10W J 4.7k Ω	RRXAJR5Z0472
R1351	CHIP RES.(1608) 1/10W J 4.7k Ω	RRXAJR5Z0472
R1358	CHIP RES.(1608) 1/10W J 47k Ω	RRXAJR5Z0473
R1360	CHIP RES.(1608) 1/10W J 4.7k Ω	RRXAJR5Z0472
R1362	CHIP RES.(1608) 1/10W J 100k Ω	RRXAJR5Z0104
R1365	CHIP RES.(1608) 1/10W J 100k Ω	RRXAJR5Z0104
R1366	CHIP RES.(1608) 1/10W J 4.7k Ω	RRXAJR5Z0472
R1367	CHIP RES.(1608) 1/10W 0 Ω	RRXAZR5Z0000
R1372	CHIP RES.(1608) 1/10W 0 Ω	RRXAZR5Z0000
R1373	CHIP RES.(1608) 1/10W J 470 Ω	RRXAJR5Z0471
R1374	CHIP RES.(1608) 1/10W J 5.6k Ω	RRXAJR5Z0562

Ref. No.	Description	Part No.
R1375	CHIP RES.(1608) 1/10W J 470 Ω	RRXAJR5Z0471
R1376	CHIP RES.(1608) 1/10W J 470 Ω	RRXAJR5Z0471
R1377	CHIP RES.(1608) 1/10W J 6.8k Ω	RRXAJR5Z0682
R1378	CARBON RES. 1/4W J 330 Ω	RCX4JATZ0331
R1379	CARBON RES. 1/4W J 1k Ω	RCX4JATZ0102
R1380	CHIP RES.(1608) 1/10W J 100k Ω	RRXAJR5Z0104
R1382	CHIP RES.(1608) 1/10W 0 Ω	RRXAZR5Z0000
R1384	CHIP RES.(1608) 1/10W J 150 Ω	RRXAJR5Z0151
R1385	CHIP RES.(1608) 1/10W J 150 Ω	RRXAJR5Z0151
R1386	CHIP RES.(1608) 1/10W J 10k Ω	RRXAJR5Z0103
R1387	CHIP RES.(1608) 1/10W J 10k Ω	RRXAJR5Z0103
R1390	CHIP RES.(1608) 1/10W J 6.8k Ω	RRXAJR5Z0682
R1391	CHIP RES.(1608) 1/10W J 100k Ω	RRXAJR5Z0104
R1392	CHIP RES.(1608) 1/10W J 470 Ω	RRXAJR5Z0471
R1395	PCB JUMPER D0.6-P5.0	JW5.0T
R1396	PCB JUMPER D0.6-P5.0	JW5.0T
R1399	CARBON RES. 1/6W J 27k Ω or	RCX6JATZ0273
	CARBON RES. 1/4W J 27k Ω	RCX4JATZ0273
R1400	CARBON RES. 1/6W J 6.8k Ω or	RCX6JATZ0682
	CARBON RES. 1/4W J 6.8k Ω	RCX4JATZ0682
R1401	CHIP RES.(1608) 1/10W J 6.8k Ω	RRXAJR5Z0682
R1402	CHIP RES.(1608) 1/10W J 1.5k Ω	RRXAJR5Z0152
R1403	CHIP RES.(1608) 1/10W J 12k Ω	RRXAJR5Z0123
R1404	CHIP RES.(1608) 1/10W J 10k Ω	RRXAJR5Z0103
R1405	CARBON RES. 1/6W J 180 Ω or	RCX6JATZ0181
	CARBON RES. 1/4W J 180 Ω	RCX4JATZ0181
R1414	CHIP RES.(1608) 1/10W F 200 Ω or	RRXAFR5H0201
	CHIP RES.(1608) 1/10W F 200 Ω	RRXAFR5Z0201
R1421	CHIP RES.(1608) 1/10W F 200 Ω or	RRXAFR5H0201
	CHIP RES.(1608) 1/10W F 200 Ω	RRXAFR5Z0201
R1423	CARBON RES. 1/6W J 150 Ω or	RCX6JATZ0151
	CARBON RES. 1/4W J 150 Ω	RCX4JATZ0151
R1424	CHIP RES.(1608) 1/10W J 150 Ω	RRXAJR5Z0151
R1425	CHIP RES.(1608) 1/10W F 200 Ω or	RRXAFR5H0201
	CHIP RES.(1608) 1/10W F 200 Ω	RRXAFR5Z0201
R1426	CHIP RES.(1608) 1/10W J 470 Ω	RRXAJR5Z0471
R1430	CHIP RES.(1608) 1/10W J 470 Ω	RRXAJR5Z0471
R1431	CHIP RES.(1608) 1/10W F 200 Ω or	RRXAFR5H0201
	CHIP RES.(1608) 1/10W F 200 Ω	RRXAFR5Z0201
R1441	CHIP RES.(1608) 1/10W 0 Ω	RRXAZR5Z0000
R1447	CHIP RES.(1608) 1/10W J 1k Ω	RRXAJR5Z0102
R1448	CHIP RES.(1608) 1/10W 0 Ω	RRXAZR5Z0000
R1450	CARBON RES. 1/6W J 75 Ω or	RCX6JATZ0750
	CARBON RES. 1/4W J 75 Ω	RCX4JATZ0750
R1455	CHIP RES.(1608) 1/10W 0 Ω	RRXAZR5Z0000
R1456	CHIP RES.(1608) 1/10W 0 Ω	RRXAZR5Z0000
R1462	CHIP RES.(1608) 1/10W F 8.2k Ω or	RRXAFR5H0822
	CHIP RES.(1608) 1/10W F 8.2k Ω	RRXAFR5Z0822
R1463	CHIP RES.(1608) 1/10W F 8.2k Ω or	RRXAFR5H0822
	CHIP RES.(1608) 1/10W F 8.2k Ω	RRXAFR5Z0822
R1469	CHIP RES.(1608) 1/10W F 13k Ω or	RRXAFR5H0133
	CHIP RES.(1608) 1/10W F 13k Ω	RRXAFR5Z0133
R1470	CHIP RES.(1608) 1/10W J 13k Ω	RRXAJR5Z0133
R1471	CHIP RES.(1608) 1/10W F 13k Ω or	RRXAFR5H0133
	CHIP RES.(1608) 1/10W F 13k Ω	RRXAFR5Z0133
R1472	CHIP RES.(1608) 1/10W J 13k Ω	RRXAJR5Z0133
R1476	CHIP RES.(1608) 1/10W F 200 Ω or	RRXAFR5H0201
	CHIP RES.(1608) 1/10W F 200 Ω	RRXAFR5Z0201
R1484	CARBON RES. 1/6W J 100 Ω or	RCX6JATZ0101
	CARBON RES. 1/4W J 100 Ω	RCX4JATZ0101
R1488	CHIP RES.(1608) 1/10W J 100k Ω	RRXAJR5Z0104
R1489	CHIP RES.(1608) 1/10W J 100k Ω	RRXAJR5Z0104
R1497	CHIP RES.(1608) 1/10W J 470 Ω	RRXAJR5Z0471
R1498	CHIP RES.(1608) 1/10W J 470 Ω	RRXAJR5Z0471
R1499	CHIP RES.(1608) 1/10W J 22k Ω	RRXAJR5Z0223
R1500	CHIP RES.(1608) 1/10W J 22k Ω	RRXAJR5Z0223
R1508	CARBON RES. 1/6W J 100 Ω or	RCX6JATZ0101

Ref. No.	Description	Part No.
	CARBON RES. 1/4W J 100 Ω	RCX4JATZ0101
R1511	CHIP RES.(1608) 1/10W 0 Ω	RRXAZR5Z0000
R1512	CHIP RES.(1608) 1/10W J 1M Ω	RRXAJR5Z0105
R1516	CHIP RES.(1608) 1/10W J 3.3k Ω	RRXAJR5Z0332
R1517	CHIP RES.(1608) 1/10W J 2.2k Ω	RRXAJR5Z0222
R1518	CHIP RES.(1608) 1/10W J 6.8k Ω	RRXAJR5Z0682
R1519	CHIP RES.(1608) 1/10W J 2.2k Ω	RRXAJR5Z0222
R1521	CHIP RES.(1608) 1/10W 0 Ω	RRXAZR5Z0000
R1523	CARBON RES. 1/6W J 3.3k Ω or	RCX6JATZ0332
	CARBON RES. 1/4W J 3.3k Ω	RCX4JATZ0332
R1527	CHIP RES.(1608) 1/10W J 1.8k Ω	RRXAJR5Z0182
R1529	CHIP RES.(1608) 1/10W J 2.2k Ω	RRXAJR5Z0222
R1530	CHIP RES.(1608) 1/10W J 2.2k Ω	RRXAJR5Z0222
R1531	CHIP RES.(1608) 1/10W J 2.2k Ω	RRXAJR5Z0222
R1532	CARBON RES. 1/6W J 1.8k Ω or	RCX6JATZ0182
	CARBON RES. 1/4W J 1.8k Ω	RCX4JATZ0182
R1533	CHIP RES.(1608) 1/10W J 10k Ω	RRXAJR5Z0103
R1534	CHIP RES.(1608) 1/10W 0 Ω	RRXAZR5Z0000
R1535	CHIP RES.(1608) 1/10W 0 Ω	RRXAZR5Z0000
R1538	CARBON RES. 1/6W J 30k Ω or	RCX6JATZ0303
	CARBON RES. 1/4W J 30k Ω	RCX4JATZ0303
R1539	CHIP RES.(1608) 1/10W J 220 Ω	RRXAJR5Z0221
R1540	CARBON RES. 1/6W J 75 Ω or	RCX6JATZ0750
	CARBON RES. 1/4W J 75 Ω	RCX4JATZ0750
R1541	CARBON RES. 1/6W J 68 Ω or	RCX6JATZ0680
	CARBON RES. 1/4W J 68 Ω	RCX4JATZ0680
R1545	CARBON RES. 1/6W J 220 Ω or	RCX6JATZ0221
	CARBON RES. 1/4W J 220 Ω	RCX4JATZ0221
R1546	CHIP RES.(1608) 1/10W J 75 Ω	RRXAJR5Z0750
R1547	CHIP RES.(1608) 1/10W J 390 Ω	RRXAJR5Z0391
R1550	CARBON RES. 1/4W J 75 Ω	RCX4JATZ0750
R1551	CARBON RES. 1/6W J 220 Ω or	RCX6JATZ0221
	CARBON RES. 1/4W J 220 Ω	RCX4JATZ0221
R1552	CHIP RES.(1608) 1/10W J 75 Ω	RRXAJR5Z0750
R1553	CARBON RES. 1/4W J 470 Ω	RCX4JATZ0471
R1554	CARBON RES. 1/4W J 470 Ω	RCX4JATZ0471
R1555	CHIP RES.(1608) 1/10W J 100k Ω	RRXAJR5Z0104
R1556	CARBON RES. 1/4W J 75 Ω	RCX4JATZ0750
R1557	CARBON RES. 1/4W J 75 Ω	RCX4JATZ0750
R1558	CARBON RES. 1/4W J 75 Ω	RCX4JATZ0750
R1559	CHIP RES.(1608) 1/10W J 220 Ω	RRXAJR5Z0221
R1560	CHIP RES.(1608) 1/10W J 220 Ω	RRXAJR5Z0221
R1563	CHIP RES.(1608) 1/10W 0 Ω	RRXAZR5Z0000
R1565	CARBON RES. 1/6W J 10k Ω or	RCX6JATZ0103
	CARBON RES. 1/4W J 10k Ω	RCX4JATZ0103
R1567	CHIP RES.(1608) 1/10W J 330 Ω	RRXAJR5Z0331
R1568	CHIP RES.(1608) 1/10W J 330 Ω	RRXAJR5Z0331
R1569	CHIP RES.(1608) 1/10W J 1k Ω	RRXAJR5Z0102
R1570	CHIP RES.(1608) 1/10W J 12k Ω	RRXAJR5Z0123
R1571	CHIP RES.(1608) 1/10W J 47k Ω	RRXAJR5Z0473
R1572	CHIP RES.(1608) 1/10W J 330 Ω	RRXAJR5Z0331
R1573	CHIP RES.(1608) 1/10W J 330 Ω	RRXAJR5Z0331
R1574	CHIP RES.(1608) 1/10W J 2.2k Ω	RRXAJR5Z0222
R1575	CHIP RES.(1608) 1/10W J 1k Ω	RRXAJR5Z0102
R1576	CHIP RES.(1608) 1/10W J 1k Ω	RRXAJR5Z0102
R1577	CHIP RES.(1608) 1/10W J 1k Ω	RRXAJR5Z0102
R1578	CHIP RES.(1608) 1/10W J 1k Ω	RRXAJR5Z0102
R1587	CARBON RES. 1/6W J 470 Ω or	RCX6JATZ0471
	CARBON RES. 1/4W J 470 Ω	RCX4JATZ0471
R1588	CHIP RES.(1608) 1/10W J 10k Ω	RRXAJR5Z0103
R1589	CHIP RES.(1608) 1/10W J 10k Ω	RRXAJR5Z0103
R1590	CHIP RES.(1608) 1/10W J 10k Ω	RRXAJR5Z0103
R1591	CHIP RES.(1608) 1/10W J 10k Ω	RRXAJR5Z0103
R1592	CHIP RES.(1608) 1/10W J 10k Ω	RRXAJR5Z0103
R1593	CHIP RES.(1608) 1/10W J 10k Ω	RRXAJR5Z0103
R1594	CHIP RES.(1608) 1/10W J 10k Ω	RRXAJR5Z0103
R1595	CHIP RES.(1608) 1/10W J 10k Ω	RRXAJR5Z0103
R1596	CHIP RES.(1608) 1/10W J 10k Ω	RRXAJR5Z0103
R1597	CHIP RES.(1608) 1/10W J 10k Ω	RRXAJR5Z0103
R1598	CHIP RES.(1608) 1/10W J 10k Ω	RRXAJR5Z0103
R1599	CHIP RES.(1608) 1/10W J 10k Ω	RRXAJR5Z0103
	MISCELLANEOUS	
2B3	FL HOLDER E6700UD	1VM320515
FL1203	VACUUM FLUORESCENT DISPLAY 7-BT-301N	TVFD1C0FT048
JK1201	RCA JACK(YELLOW) MTJ-032-05B-20	JXRL010LY038
JK1202	RCA JACK(WHITE) MTJ-032-05B-22	JXRL010LY039
JK1203	RCA JACK(RED) MTJ-032-05A-21	JYRL010LY010
JK1204	PIN JACK 2P MSD-242V-01 NI FE LF	JXRL020LY123
JK1206	RGB CONNECTOR MRC-021V-05	JXGL210LY004
JK1207	FIBER OPTIC TRANS.MODULE 0C-0805T*002 or	JWHHA00JD002
	FIBER OPTIC TRANS.MODULE GP1FA513TZ0F or	JWHHA00SH006
	OPTICAL TRANSMITTING MODULE JST1162	JWHHA00SLT01
JK1209	RCA JACK(BLACK) MSP-251V-01 NI or	JXRL010LY070
	RCA JACK(BLACK) AV1-28A-1	JXRL010RP024
JK1210	PIN JACK 2P MSD-242V-01 NI FE LF	JXRL020LY123
JK1211	S TYPE JACK MDC-050V-2.4	JXEL040LY001
JK1212	S TYPE JACK DMD1-3411PP003	JXEL040RP002
JK1213	S TYPE JACK MDC-050V-2.4	JXEL040LY001
JW001	FFC CABLE 30P FFC/P1.00/160	WX1E6820-001
JW002	FFC CABLE 30P FFC/P1.00/70	WX1E6820-002
JW010	FLAT CABLE 3P AWG26#2651/P2.0/100	WX1E6820-006
RM1201	REMOTE RECEIVER MIM-93M6DKF or	USESJRSUNT01
	REMOTE RECEIVER PIC-37042LU	USESJRSKK033
TU1201	TUNER UNIT TMDG9-861A	UTUNPLGAL015
X1201	XTAL 32.768kHz(20PPM) or	FXC323LQUA01
	XTAL 32.768kHz(20PPM)	FXC323LDS002
X1202	CERAMIC RESONETOR CSTLS8M00G56-B0 or	FY0805PMR002
	CERAMIC RESONATOR ZTT8.00MT47	FY0805PLN004
X1204	Xtal 1K*044335DA	FXC445LDS003

SW CBA

Ref. No.	Description	Part No.
	SW CBA (SUB-B) Consists of the following:	------
	RESISTORS	
R3003	CHIP RES.(1608) 1/10W J 300 Ω	RRXAJR5Z0301
R3004	CHIP RES.(1608) 1/10W J 620 Ω	RRXAJR5Z0621
R3005	CHIP RES.(1608) 1/10W J 1k Ω	RRXAJR5Z0102
R3006	CHIP RES.(1608) 1/10W J 2.2k Ω	RRXAJR5Z0222
R3007	CHIP RES.(1608) 1/10W J 6.8k Ω	RRXAJR5Z0682
R3010	CHIP RES.(1608) 1/10W J 300 Ω	RRXAJR5Z0301
R3011	CHIP RES.(1608) 1/10W J 620 Ω	RRXAJR5Z0621
R3012	CHIP RES.(1608) 1/10W J 1k Ω	RRXAJR5Z0102
R3013	CHIP RES.(1608) 1/10W J 2.2k Ω	RRXAJR5Z0222
R3014	CHIP RES.(1608) 1/10W J 6.8k Ω	RRXAJR5Z0682
	SWITHCES	
SW3001	TACT SWITCH KSM0612B or	SST0101HH003
	TACT SWITCH SKQSAB or	SST0101AL038
	TACT SWITCH TC-1104(H=5.0)	SST0101DNG02
SW3002	TACT SWITCH KSM0612B or	SST0101HH003
	TACT SWITCH SKQSAB or	SST0101AL038
	TACT SWITCH TC-1104(H=5.0)	SST0101DNG02
SW3003	TACT SWITCH KSM0612B or	SST0101HH003
	TACT SWITCH SKQSAB or	SST0101AL038
	TACT SWITCH TC-1104(H=5.0)	SST0101DNG02
SW3004	TACT SWITCH KSM0612B or	SST0101HH003
	TACT SWITCH SKQSAB or	SST0101AL038
	TACT SWITCH TC-1104(H=5.0)	SST0101DNG02
SW3005	TACT SWITCH KSM0612B or	SST0101HH003
	TACT SWITCH SKQSAB or	SST0101AL038
	TACT SWITCH TC-1104(H=5.0)	SST0101DNG02
SW3006	TACT SWITCH KSM0612B or	SST0101HH003

Ref. No.	Description	Part No.
	TACT SWITCH SKQSAB or	SST0101AL038
	TACT SWITCH TC-1104(H=5.0)	SST0101DNG02
SW3007	TACT SWITCH KSM0612B or	SST0101HH003
	TACT SWITCH SKQSAB or	SST0101AL038
	TACT SWITCH TC-1104(H=5.0)	SST0101DNG02
SW3008	TACT SWITCH KSM0612B or	SST0101HH003
	TACT SWITCH SKQSAB or	SST0101AL038
	TACT SWITCH TC-1104(H=5.0)	SST0101DNG02
SW3009	TACT SWITCH KSM0612B or	SST0101HH003
	TACT SWITCH SKQSAB or	SST0101AL038
	TACT SWITCH TC-1104(H=5.0)	SST0101DNG02
SW3010	TACT SWITCH KSM0612B or	SST0101HH003
	TACT SWITCH SKQSAB or	SST0101AL038
	TACT SWITCH TC-1104(H=5.0)	SST0101DNG02

PSV CBA

Ref. No.	Description	Part No.
	PSV CBA Consists of the following:	1VSA11293
	POWER SUPPLY CBA (PSV-A) JUNCTION CBA (PSV-B) JACK CBA (PSV-C)	—— —— ——

POWER SUPPLY CBA

Ref. No.	Description	Part No.
	POWER SUPPLY CBA (PSV-A) Consists of the following:	——
	CAPACITORS	
C1001⚠	METALIZED FILM CAP. 0.068µF/250V K or	CT2E683DC011
⚠	METALIZED FILM CAP. 0.068µF/250V K or	CT2E683DC014
⚠	METALIZED FILM CAP. 0.068µF/250V M	CT2E683MS037
C1002⚠	CAP ALUMINUM ELECTOLYTIC 10µF/16V M or	CE1CMASDL100
⚠	ELECTROLYTIC CAP. 10µF/16V M	CE1CMASTL100
C1003	CERAMIC CAP. YV Z 0.022µF/50V	CCD1JZSYV223
C1004⚠	SAFTY CAP. 2200pF/250V or	CCN2EMA0E222
⚠	SAFETY CAP. 2200pF/250V	CA2E222MR049
C1005	ELECTROLYTIC CAP. 100µF/400V M	CA2H101S6016
C1006	CERAMIC CAP.(AX) X K 1800pF/16V	CCA1CKT0X182
C1008	CERAMIC CAP.(AX) B K 1000pF/50V	CCA1JKT0B102
C1009	CERAMIC CAP. SL K 56pF/1KV or	CCD3AKPSL560
	CERAMIC CAP. SL J 56pF/1KV	CCD3AJPSL560
C1010	CERAMIC CAP. B K 0.01µF/500V	CCD2JKP0B103
C1101	CERAMIC CAP. B K 470pF/500V	CCD2JKS0B471
C1104	CHIP CERAMIC CAP.(1608) B K 0.01µF/50V	CHD1JK30B103
C1106	CAP ALUMINUM ELECTOLYTIC 100µF/16V M or	CE1CMASDL101
	ELECTROLYTIC CAP. 100µF/16V M	CE1CMASTL101
C1107	CAP ALUMINUM ELECTOLYTIC 22µF/50V M or	CE1JMASDL220
	ELECTROLYTIC CAP. 22µF/50V M	CE1JMASTL220
C1108	CHIP CERAMIC CAP.(1608) B K 0.01µF/50V	CHD1JK30B103
C1109	CHIP CERAMIC CAP.(1608) F Z 0.1µF/50V or	CHD1JZ30F104
	CHIP CERAMIC CAP.(1608) F Z 0.1µF/25V or	CHD1EZ30F104
	CHIP CERAMIC CAP. FZ Z 0.1µF/50V	CHD1JZ3FZ104
C1110	CAP ALUMINUM ELECTOLYTIC 1000µF/6.3V M or	CE0KMASDL102
	ELECTROLYTIC CAP. 1000µF/6.3V M	CE0KMASTL102
C1111	ELECTROLYTIC CAP. 3300µF/6.3V SL or	CE0KMZADL332
	ELECTROLYTIC CAP. 3300µF/6.3V SM or	CE0KMZPDL332
	ELECTROLYTIC CAP. 3300µF/6.3V M	CE0KMZPTL332
C1112	CAP ALUMINUM ELECTOLYTIC 1000µF/16V M or	CE1CMASDL102
	ELECTROLYTIC CAP. 1000µF/16V M	CE1CMASTL102
C1113	ELECTROLYTIC CAP. 10µF/50V M	CE1JMASDL100
C1114	ELECTROLYTIC CAP. 4700µF/6.3V SL or	CE0KMZADL472
	ELECTROLYTIC CAP. 4700µF/6.3V SM or	CE0KMZPDL472
	ELECTROLYTIC CAP. 4700µF/6.3V M	CE0KMZPTL472
C1115	CHIP CERAMIC CAP.(1608) B K 0.01µF/50V	CHD1JK30B103
C1116	CAP ALUMINUM ELECTOLYTIC 1000µF/6.3V M or	CE0KMASDL102
	ELECTROLYTIC CAP. 1000µF/6.3V M	CE0KMASTL102
C1117	CAP ALUMINUM ELECTOLYTIC 470µF/16V M or	CE1CMASDL471
	ELECTROLYTIC CAP. 470µF/16V M	CE1CMASTL471
C1120	CAP ALUMINUM ELECTOLYTIC 1000µF/6.3V M or	CE0KMASDL102
	ELECTROLYTIC CAP. 1000µF/6.3V M	CE0KMASTL102
	DIODES	
D1001	DIODE 1N5397-B	NDLZ001N5397
D1002	DIODE 1N5397-B	NDLZ001N5397
D1003	DIODE 1N5397-B	NDLZ001N5397
D1004	DIODE 1N5397-B	NDLZ001N5397
D1005	SWITCHING DIODE 1N4148M or	NDTZ01N4148M
	SWITCHING DIODE 1SS133(T-77)	QDTZ001SS133
D1006	SWITCHING DIODE 1N4148M or	NDTZ01N4148M
	SWITCHING DIODE 1SS133(T-77)	QDTZ001SS133
D1007	SWITCHING DIODE 1N4148M or	NDTZ01N4148M
	SWITCHING DIODE 1SS133(T-77)	QDTZ001SS133
D1008	SWITCHING DIODE 1N4148M or	NDTZ01N4148M
	SWITCHING DIODE 1SS133(T-77)	QDTZ001SS133
D1009	SWITCHING DIODE 1N4148M or	NDTZ01N4148M
	SWITCHING DIODE 1SS133(T-77)	QDTZ001SS133
D1010	SWITCHING DIODE 1N4148M or	NDTZ01N4148M
	SWITCHING DIODE 1SS133(T-77)	QDTZ001SS133
D1011	RECTIFIER DIODE BA159 or	NDQZ000BA159
	RECTIFIER DIODE BA159	NDWZ000BA159
D1101	RECTIFIER DIODE BA157 or	NDQZ000BA157
	RECTIFIER DIODE BA157	NDWZ000BA157
D1102	SCHOTTKY BARRIER DIODE SB380	NDQZ000SB380
D1103	RECTIFIER DIODE BA157 or	NDQZ000BA157
	RECTIFIER DIODE BA157	NDWZ000BA157
D1104	RECTIFIER DIODE BA157 or	NDQZ000BA157
	RECTIFIER DIODE BA157	NDWZ000BA157
D1105	SCHOTTKY BARRIER DIODE SB140 or	NDQZ000SB140
	SCHOTTKY BARRIER DIODE SB140	NDWZ000SB140
D1107	SCHOTTKY BARRIER DIODE SB240-B/P	NDWZ000SB240
D1108	SCHOTTKY BARRIER DIODE SB340	NDQZ000SB340
D1111	ZENER DIODE DZ-6.8BSBT265 or	NDTB0DZ6R8BS
	ZENER DIODE MTZJT-776.8B	QDTB0MTZJ6R8
D1112	ZENER DIODE DZ-20BSAT265 or	NDTA00DZ20BS
	ZENER DIODE MTZJT-7720A	QDTA00MTZJ20
D1113	ZENER DIODE DZ-15BSBT265 or	NDTB00DZ15BS
	ZENER DIODE MTZJT-7715B	QDTB00MTZJ15
	ICS	
IC1001⚠	PHOTOCOUPLER EL817A or	NPEA000EL817
⚠	PHOTOCOUPLER EL817B or	NPEB000EL817
⚠	PHOTOCOUPLER LTV-817B-F or	NPEB0LTV817F
⚠	PHOTOCOUPLER PS2561A-1(Q) or	QPEQPS2561A1
⚠	PHOTOCOUPLER PS2561A-1(W)	QPEWPS2561A1
	COILS	
L1001⚠	BEAD CORE ASSEMBLY E6820ED	1VSA11355
L1002	BEAD CORE ASSEMBLY E6820ED	1VSA11355
L1003	BEAD CORE ASSEMBLY E6820ED	1VSA11355
L1004⚠	LINE FILTER 56MH TLF14CB5630R2 or	LLBG00ZTU022
⚠	LINE FILTER 50MH LF-4D-E503(PB FREE)	LLBG00ZKQ014
L1005	BEAD CORE B16 RH 3.5X10X1.3	XL03010XM001
L1101	POWER INDUCTORS TWKBNP-150K or	LLC150KKV007
	INDUCTOR(15µH) CWKB-150K or	LLC150KKV005
	CHOKE COIL(15µH) LHL10NB150K	LLARKGQTU150
L1102	POWER INDUCTORS TWKBNP-180K or	LLC180KKV007
	INDUCTOR(18µH) CWKB-180K or	LLC180KKV005
	CHOKE COIL(18µH) LHL10NB180K	LLARKGQTU180
L1105	CHOKE COIL 47µH or	LLBD00PKV022
	RADIAL TYPE CHOKE COIL CW68-470K-841040NP or	LLBD00PKV023
	CHOKE COIL 47µH-K or	LLBD00PKV007

Ref. No.	Description	Part No.
	CHOKE COIL 47µH-K or	LLBD00PKV005
	CHOKE COIL 47µH-K or	LLBD00PKT001
	FIXED INDUCTORS LGB0810T-470K	LLBD00PU6007
	TRANSISTORS	
Q1001	TRANSISTOR KTC3199-Y-AT/P or	NQSYKTC3199P
	TRANSISTOR KTC3199-GR-AT/P or	NQS4KTC3199P
	TRANSISTOR 2SC1815-Y(TE2 F T) or	QQSY2SC1815F
	TRANSISTOR 2SC1815-GR(TE2 F T) or	QQS12SC1815F
	TRANSISTOR 2SC2785(J) or	QQSJ02SC2785
	TRANSISTOR 2SC2785(H) or	QQSH02SC2785
	TRANSISTOR 2SC2785(F) or	QQSF02SC2785
	TRANSISTOR KTC3199(Y) or	NQSY0KTC3199
	TRANSISTOR KTC3199(GR) or	NQS10KTC3199
	TRANSISTOR 2SC1815-Y(TPE2) or	QQSY02SC1815
	TRANSISTOR 2SC1815-GR(TPE2)	QQS102SC1815
Q1002⚠	TRANSISTOR 2SC1815-Y(TE2 F T) or	QQSY2SC1815F
⚠	TRANSISTOR 2SC1815-Y(TPE2)	QQSY02SC1815
Q1003	FET 2SK3566	QFWZ02SK3566
Q1101	TRANSISTOR KTA1267Y-AT/P or	NQSYKTA1267P
	TRANSISTOR KTA1267-GR-AT/P or	NQS1KTA1267P
	TRANSISTOR 2SA1175(J) or	QQSJ02SA1175
	TRANSISTOR 2SA1175(H) or	QQSH02SA1175
	TRANSISTOR 2SA1175(F) or	QQSF02SA1175
	TRANSISTOR KTA1267(Y) or	NQSY0KTA1267
	TRANSISTOR KTA1267(GR)	NQS10KTA1267
	RESISTORS	
R1002	CARBON RES. 1/4W J 560kΩ	RCX4JATZ0564
R1003	CARBON RES. 1/4W J 560kΩ	RCX4JATZ0564
R1004	CARBON RES. 1/6W J 100kΩ or	RCX6JATZ0104
	CARBON RES. 1/4W J 100kΩ	RCX4JATZ0104
R1005	CARBON RES. 1/6W J 10kΩ or	RCX6JATZ0103
	CARBON RES. 1/4W J 10kΩ	RCX4JATZ0103
R1006	CARBON RES. 1/6W J 470kΩ or	RCX6JATZ0474
	CARBON RES. 1/4W J 470kΩ	RCX4JATZ0474
R1007	CARBON RES. 1/6W J 100kΩ or	RCX6JATZ0104
	CARBON RES. 1/4W J 100kΩ	RCX4JATZ0104
R1009	CARBON RES. 1/4W J 1MΩ	RCX4JATZ0105
R1010	CARBON RES. 1/4W J 1MΩ	RCX4JATZ0105
R1011	CARBON RES. 1/4W J 1MΩ	RCX4JATZ0105
R1012	CARBON RES. 1/6W J 1kΩ or	RCX6JATZ0102
	CARBON RES. 1/4W J 1kΩ	RCX4JATZ0102
R1013	CARBON RES. 1/4W G 820Ω	RCX4GATZ0821
R1014	CARBON RES. 1/6W J 100kΩ or	RCX6JATZ0104
	CARBON RES. 1/4W J 100kΩ	RCX4JATZ0104
R1016	METAL OXIDE FILM RES. 1W J 2.7Ω or	RN01JZLZ02R7
	METAL OXIDE FILM RES. 1W J 2.7Ω or	RN01JZQZ02R7
	METAL FILM RES. 1W J 2.7Ω	RN01JZPZ02R7
R1017	CARBON RES. 1/6W J 5.6kΩ or	RCX6JATZ0562
	CARBON RES. 1/4W J 5.6kΩ	RCX4JATZ0562
R1018	CARBON RES. 1/6W J 1kΩ or	RCX6JATZ0102
	CARBON RES. 1/4W J 1kΩ	RCX4JATZ0102
R1019	METAL OXIDE FILM RES. 2W J 82kΩ or	RN02JZLZ0823
	METAL OXIDE FILM RES. 2W J 82kΩ or	RN02JZQZ0823
	METAL OXIDE FILM RES. 2W J 82kΩ	RN02JZPZ0823
R1020	METAL OXIDE FILM RES. 1W J 1.8Ω	RN011R8ZU001
R1101	CHIP RES.(1608) 1/10W J 1kΩ	RRXAJR5Z0102
R1102	CHIP RES.(1608) 1/10W 0Ω	RRXAZR5Z0000
R1103	CHIP RES.(1608) 1/10W J 4.7kΩ	RRXAJR5Z0472
R1104	CHIP RES.(1608) 1/10W J 1.8kΩ	RRXAJR5Z0182
R1105	CHIP RES.(1608) 1/10W 0Ω	RRXAZR5Z0000
R1106	CHIP RES.(1608) 1/10W F 2.2kΩ or	RRXAFR5H0222
	CHIP RES.(1608) 1/10W F 2.2kΩ	RRXAFR5Z0222
R1108	CHIP RES. 1/10W F 5.6kΩ or	RRXAFR5H0562
	CHIP RES. 1/10W F 5.6kΩ	RRXAFR5Z0562
R1109	CARBON RES. 1/4W J 1kΩ	RCX4JATZ0102
	MISCELLANEOUS	
2B11	HEAT SINK E6800ED	1VM420987

Ref. No.	Description	Part No.
2L019	SCREW S-TIGHT M3X8 BIND HEAD+ or	GBMS3080
	SCREW S-TIGHT M3X8 BIND HEAD+	GBJS3080
AC1001⚠	AC CORD PE8G2CG9G0AB05	WAE0172LW011
F1001⚠	FUSE T1.6AL/250V or	PAGC20BW3162
⚠	FUSE 50T016H 1.6A/250V	PAGH20BHV162
FH1001	FUSE HOLDER MSF-015 or	XH01Z00LY001
	FUSE HOLDER DFH-001	XH01Z00RP001
FH1002	FUSE HOLDER MSF-015 or	XH01Z00LY001
	FUSE HOLDER DFH-001	XH01Z00RP001
T1001⚠	SWITCHING TRANSFORMER BCK-28-0575 or	LTT00EPXB020
⚠	PULSE TRANS CGS-SW0046J-NP	LTT00EPSA181

JUNCTION CBA

Ref. No.	Description	Part No.
	JUNCTION CBA (PSV-B) Consists of the following:	-----
	CONNECTORS	
CN1106	242 SERIES CONNECTOR TUC-P15X-B1 WHT ST or	JCTUB15TG002
	CONNECTOR 15P TUC-P15X-B1	JCTUS15TG001
	MISCELLANEOUS	
JW1001	FLAT CABLE 8P AWG26#2651/P2.0/70	WX1E6820-005
JW1002	FLAT CABLE 7P AWG26#2651/P2.0/70	WX1E6820-007

JACK CBA

Ref. No.	Description	Part No.
	JACK CBA (PSV-C) Consists of the following:	-----
	CAPACITORS	
C2002	CERAMIC CAP.(AX) X K 2200pF/16V	CCA1CKT0X222
C2004	CERAMIC CAP.(AX) X K 2200pF/16V	CCA1CKT0X222
C2005	CHIP CERAMIC CAP.(1608) CH J 470pF/50V or	CHD1JJ3CH471
	CHIP CERAMIC CAP. CG J 470pF/50V	CHD1JJ3CG471
C2006	CHIP CERAMIC CAP. B K 2200pF/50V	CHD1JK30B222
C2007	CHIP CERAMIC CAP.(1608) CH J 470pF/50V or	CHD1JJ3CH471
	CHIP CERAMIC CAP. CG J 470pF/50V	CHD1JJ3CG471
C2008	CERAMIC CAP.(AX) B K 1000pF/50V	CCA1JKT0B102
C2009	CAP ALUMINUM ELECTOLYTIC 1µF/µF/50V M or	CE1JMASDL1R0
	ELECTROLYTIC CAP. 1µF/50V M	CE1JMASTL1R0
C2010	CAP ALUMINUM ELECTOLYTIC 1µF/50V M or	CE1JMASDL1R0
	ELECTROLYTIC CAP. 1µF/50V M	CE1JMASTL1R0
C2011	CHIP CERAMIC CAP.(1608) B K 1000pF/50V	CHD1JK30B102
	DIODES	
D2001	ZENER DIODE DZ-11BSAT265 or	NDTA00DZ11BS
	ZENER DIODE MTZJT-7711A	QDTA00MTZJ11
D2002	ZENER DIODE DZ-11BSAT265 or	NDTA00DZ11BS
	ZENER DIODE MTZJT-7711A	QDTA00MTZJ11
D2003	ZENER DIODE DZ-11BSAT265 or	NDTA00DZ11BS
	ZENER DIODE MTZJT-7711A	QDTA00MTZJ11
D2004	ZENER DIODE DZ-11BSAT265 or	NDTA00DZ11BS
	ZENER DIODE MTZJT-7711A	QDTA00MTZJ11
D2005	ZENER DIODE DZ-11BSAT265 or	NDTA00DZ11BS
	ZENER DIODE MTZJT-7711A	QDTA00MTZJ11
D2006	ZENER DIODE DZ-11BSAT265 or	NDTA00DZ11BS
	ZENER DIODE MTZJT-7711A	QDTA00MTZJ11
D2007	ZENER DIODE DZ-11BSAT265 or	NDTA00DZ11BS
	ZENER DIODE MTZJT-7711A	QDTA00MTZJ11
D2008	ZENER DIODE DZ-11BSAT265 or	NDTA00DZ11BS
	ZENER DIODE MTZJT-7711A	QDTA00MTZJ11
D2009	ZENER DIODE DZ-11BSAT265 or	NDTA00DZ11BS
	ZENER DIODE MTZJT-7711A	QDTA00MTZJ11
D2010	ZENER DIODE DZ-11BSAT265 or	NDTA00DZ11BS
	ZENER DIODE MTZJT-7711A	QDTA00MTZJ11
	COIL	
L2001	BEAD CORE ASSEMBLY E6820ED	1VSA11351

Ref. No.	Description	Part No.
	TRANSISTORS	
Q2001	TRANSISTOR KTC3199-Y-AT/P or	NQSYKTC3199P
	TRANSISTOR KTC3199-GR-AT/P or	NQS4KTC3199P
	TRANSISTOR 2SC1815-Y(TE2 F T) or	QQSY2SC1815F
	TRANSISTOR 2SC1815-GR(TE2 F T) or	QQS12SC1815F
	TRANSISTOR 2SC2785(J) or	QQSJ02SC2785
	TRANSISTOR 2SC2785(H) or	QQSH02SC2785
	TRANSISTOR 2SC2785(F) or	QQSF02SC2785
	TRANSISTOR KTC3199(Y) or	NQSY0KTC3199
	TRANSISTOR KTC3199(GR) or	NQS10KTC3199
	TRANSISTOR 2SC1815-Y(TPE2) or	QQSY02SC1815
	TRANSISTOR 2SC1815-GR(TPE2)	QQS102SC1815
Q2002	TRANSISTOR KTC3199-Y-AT/P or	NQSYKTC3199P
	TRANSISTOR KTC3199-GR-AT/P or	NQS4KTC3199P
	TRANSISTOR 2SC1815-Y(TE2 F T) or	QQSY2SC1815F
	TRANSISTOR 2SC1815-GR(TE2 F T) or	QQS12SC1815F
	TRANSISTOR 2SC2785(J) or	QQSJ02SC2785
	TRANSISTOR 2SC2785(H) or	QQSH02SC2785
	TRANSISTOR 2SC2785(F) or	QQSF02SC2785
	TRANSISTOR KTC3199(Y) or	NQSY0KTC3199
	TRANSISTOR KTC3199(GR) or	NQS10KTC3199
	TRANSISTOR 2SC1815-Y(TPE2) or	QQSY02SC1815
	TRANSISTOR 2SC1815-GR(TPE2)	QQS102SC1815
	RESISTORS	
R2002	CARBON RES. 1/4W J 75 Ω	RCX4JATZ0750
R2003	CHIP RES.(1608) 1/10W J 75 Ω	RRXAJR5Z0750
R2005	CARBON RES. 1/4W J 820 Ω	RCX4JATZ0821
R2006	CARBON RES. 1/6W J 4.7k Ω or	RCX6JATZ0472
	CARBON RES. 1/4W J 4.7k Ω	RCX4JATZ0472
R2007	CARBON RES. 1/4W J 820 Ω	RCX4JATZ0821
R2008	CARBON RES. 1/6W J 4.7k Ω or	RCX6JATZ0472
	CARBON RES. 1/4W J 4.7k Ω	RCX4JATZ0472
R2009	CHIP RES.(1608) 1/10W J 75 Ω	RRXAJR5Z0750
R2010	CHIP RES.(1608) 1/10W J 75 Ω	RRXAJR5Z0750
R2011	CHIP RES.(1608) 1/10W J 75 Ω	RRXAJR5Z0750
R2012	CHIP RES.(1608) 1/10W J 1k Ω	RRXAJR5Z0102
R2013	CHIP RES.(1608) 1/10W J 1k Ω	RRXAJR5Z0102
	MISCELLANEOUS	
2B12	PLATE GROUND(21PIN) H9500ED	0VM415201C
JK2001	RGB CONNECTOR MRC-021V-03	JXGL210LY003
JW2001	FLAT CABLE 4P AWG26#2651/P2.0/70	WX3804S6FF07
JW2002	FLAT CABLE 10P AWG26#2651/P2.0/70	WX3810S6FF07

AFV CBA

Ref. No.	Description	Part No.
	AFV CBA Consists of the following:	1VSA11126
	CAPACITORS	
C1	CHIP CERAMIC CAP.(1608) F Z 0.1μF/50V or	CHD1JZ30F104
	CHIP CERAMIC CAP.(1608) F Z 0.1μF/25V or	CHD1EZ30F104
	CHIP CERAMIC CAP. FZ Z 0.1μF/50V	CHD1JZ3FZ104
C4	CHIP CERAMIC CAP. CH J 56pF/50V or	CHD1JJ3CH560
	CHIP CERAMIC CAP. CG J 56pF/50V	CHD1JJ3CG560
C5	CHIP CERAMIC CAP.(1608) CH J 22pF/50V or	CHD1JJ3CH220
	CHIP CERAMIC CAP. CG J 22pF/50V	CHD1JJ3CG220
C6	CHIP CERAMIC CAP. CH J 56pF/50V or	CHD1JJ3CH560
	CHIP CERAMIC CAP. CG J 56pF/50V	CHD1JJ3CG560
C7	CHIP CERAMIC CAP. CH C 3pF/50V or	CHD1JC3CH3R0
	CHIP CERAMIC CAP. CJ C 3pF/50V or	CHD1JC3CJ3R0
	CHIP CERAMIC CAP. CH D 3pF/50V	CHD1JD3CH3R0
C8	CHIP CERAMIC CAP. CH C 3pF/50V or	CHD1JC3CH3R0
	CHIP CERAMIC CAP. CJ C 3pF/50V or	CHD1JC3CJ3R0
	CHIP CERAMIC CAP. CH D 3pF/50V	CHD1JD3CH3R0
C11	CHIP CERAMIC CAP.(1608) B K 0.01μF/50V	CHD1JK30B103
C12	ELECTROLYTIC CAP. 10μF/16V M H7	CE1CMASSL100
C13	CHIP CERAMIC CAP.(1608) B K 0.01μF/50V	CHD1JK30B103
C14	CHIP CERAMIC CAP.(1608) B K 0.01μF/50V	CHD1JK30B103
C15	ELECTROLYTIC CAP. 10μF/16V M H7	CE1CMASSL100
C16	ELECTROLYTIC CAP. 10μF/16V M H7	CE1CMASSL100
C17	CHIP CERAMIC CAP.(1608) F Z 0.1μF/50V or	CHD1JZ30F104
	CHIP CERAMIC CAP.(1608) F Z 0.1μF/25V or	CHD1EZ30F104
	CHIP CERAMIC CAP. FZ Z 0.1μF/50V	CHD1JZ3FZ104
C19	CHIP CERAMIC CAP.(1608) F Z 0.1μF/50V or	CHD1JZ30F104
	CHIP CERAMIC CAP.(1608) F Z 0.1μF/25V or	CHD1EZ30F104
	CHIP CERAMIC CAP. FZ Z 0.1μF/50V	CHD1JZ3FZ104
C20	ELECTROLYTIC CAP. 3.3μF/50V M H7	CE1JMASSL3R3
C21	CHIP CERAMIC CAP.(1608) F Z 0.1μF/50V or	CHD1JZ30F104
	CHIP CERAMIC CAP.(1608) F Z 0.1μF/25V or	CHD1EZ30F104
	CHIP CERAMIC CAP. FZ Z 0.1μF/50V	CHD1JZ3FZ104
C22	ELECTROLYTIC CAP. 10μF/16V M H7	CE1CMASSL100
C24	ELECTROLYTIC CAP. 0.22μF/50V M H7	CE1JMASSLR22
C27	CERAMIC CAP.(AX) F Z 0.1μF/50V	CCA1JZTFZ104
	CONNECTOR	
CN1	ANGLE PIN HEADER 9P IMSA-6029B-1-09Z003-	JTED009ER045
	DIODES	
D2	SWITCHING DIODE 1N4148M or	NDTZ01N4148M
	SWITCHING DIODE 1SS133(T-77)	QDTZ001SS133
	IC	
IC1	IC AUDIO PROCESSOR MSP3407G-QG-B8-V3	NSZBA0SP3004
	COILS	
L1	INDUCTOR 10μH-K-26T	LLAXKATTU100
L2	PCB JUMPER D0.6-P5.0	JW5.0T
L3	INDUCTOR 18μH-K-26T	LLAXKATTU180
L4	INDUCTOR 10μH-K-26T	LLAXKATTU100
	RESISTORS	
R1	CHIP RES.(1608) 1/10W J 1k Ω	RRXAJR5Z0102
R4	CHIP RES.(1608) 1/10W J 120k Ω	RRXAJR5Z0124
R5	CHIP RES.(1608) 1/10W 0 Ω	RRXAZR5Z0000
R6	CHIP RES.(1608) 1/10W 0 Ω	RRXAZR5Z0000
	MISCELLANEOUS	
X1	XTAL 18.432MHz	FXD186LLN001